

# Patents, Designs and Trade Marks 1987

105th Annual Report of the  
Comptroller-General of Patents,  
Designs and Trade Marks



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Comptroller-General of Patents,  
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*Presented to Parliament pursuant to section 121 of the Patents Act 1977,  
section 42 of the Registered Designs Act 1949  
and section 45 of the Trade Marks Act 1938*

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# Patents, Designs and Trade Marks

## **Report of the Comptroller-General**

In pursuance of the requirements of the 121st section of the Patents Act 1977 (Chapter 37), the 42nd section of the Registered Designs Act 1949 (12, 13 and 14 Geo. 6. c. 88) and the 45th section of the Trade Marks Act 1938 (1 and 2 Geo. 6. c. 22), I have the honour to report as follows upon the proceedings which took place in the year 1987 under the provisions of these Acts.

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*Comptroller-General*

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# Patents, Designs and Trade Marks 1987

## 1. Introduction

1.1. This report is concerned with the activities of the Patent Office in 1987.

1.2. The main responsibilities of the Comptroller-General are to administer the Patents Act 1977, the Registered Designs Act 1949 and the Trade Marks Act 1938 and to direct the legislative and other policy work of the Industrial Property and Copyright Department, a policy division of the Department of Trade and Industry located in the Patent Office. These responsibilities encompass the need to maintain, improve and strengthen the national and international systems for protecting intellectual property rights so as to encourage *inter alia*, invention and innovation, the wider use of new technology and the orderly marketing of trade marked goods and services.

1.3. In October the Government published the 'Copyright, Designs and Patents Bill' which is the outcome of a long review of existing intellectual property law and takes account of the proposals in the 1986 White Paper 'Intellectual Property and Innovation' (Cmnd 9712). Implementation of this Bill will be part of the Government's overall strategy to achieve a more competitive and open market in which enterprise can flourish.

1.4. The Bill sets out to reform and completely restate the law of copyright, provide a new form of legal protection for designs and establish a framework of civil law for the protection of performers. It also provides for changes to be made to the Patents Acts to remove anomalies and improve procedures, including those concerned with litigating patents, and to abolish the patent agents' monopoly. The Bill takes into account the United Kingdom's international obligations and developments in modern technology. Its enactment is expected to make the intellectual property system more accessible and relevant to the needs of British business.

1.5. The Government also announced in October that the Patent Office would not become an independent public body as previously planned, but would continue to be a part of the Department of Trade and Industry. This announcement followed a review led by two independent businessmen advised by a firm of management consultants. They concluded that the marked decline in patent business resulting from the successful development of the European Patent Office meant that the Patent Office as a whole was unlikely to be viable in the longer term as a free standing body. In the light of that advice, the Government decided to retain the Patent Office as part of the Department of Trade and Industry.

1.6. The Office is due to move from its existing accommodation in State House, High Holborn, London in the fairly near future. The Government announced in December that in view of the operational and financial advantages, active consideration was being given to relocating the Office in the

Cardiff or Newport areas, where the Department of Trade and Industry already has other establishments. Subsequently, a decision has been made to relocate the office in Newport between 1988 and 1991 whilst retaining a small office in London to maintain a convenient service to users. In advance of this decision, due to the pressing problems of finding additional staff for the Trade Marks Branch in London, it had already been decided that a Trade Marks group of some 37 staff should be established at Newport in 1988.

## **2. Receipts and Expenditure**

2.1. Appendix 1 gives details of receipts and expenditure during 1987. The total receipts by the Office in 1987 from patents, designs, trade and service marks fees and from the sales of publications and other commercial services amounted to £38,342,000 including £2,279,000 which was paid to the European Patent Office in respect of European patent (UK) renewal fees. Total non-capital costs, including the Industrial Property and Copyright Department were £34,478,000 with a further £2,677,000 accounted for by capital expenditure on computer projects and other items.

2.2. Compared with 1986 receipts from patents rose by £1,124,000 (4 per cent), designs by £56,000 (8.1 per cent) and trade marks by £305,000 (4.7 per cent). Revised fees introduced in mid-1987 accounted for only a part of this increased income, the rest coming mainly from the increased number of patent renewals remaining on the register during the year and also buoyant designs business. Apart from general inflation, the operating costs of providing these labour intensive fee-earning services were effectively reduced, largely due to difficulty in filling vacant posts within the approved manpower ceiling.

2.3. During 1987 the Office continued to act as a prescribed Receiving Office under the terms of the Patent Co-operation Treaty (PCT) in addition to carrying out its role as an International Examining Authority under Chapter II of the treaty. The fees retained or transferred in consequence of these commitments are shown in Appendix 1.

## **3. Staff Numbers**

3.1. At the end of 1987, against an approved manpower ceiling of 1,165 the number of staff in post in the Patent Office stood at 1,112, approximately 1 per cent less than the 1,122½ staff in post at the end of 1986. While staff requirements on the patent examining side of the Office continued to fall in line with the falling input of applications, the continuing difficulty in recruiting sufficient staff in London for other areas of the Office is a cause for concern. It is hoped that the proposed relocation to Newport will resolve this particular difficulty.

## **4. Domestic Activities**

4.1. The input of applications again fell by just over 2 per cent, but the requests for search and examination fell significantly as the detailed figures below indicate.

### **(a) Patents**

#### *General comment*



*Domestic filings  
etc in 1987*

4.2. The number of examining staff in post again declined over the year, but due to other balancing factors the number of applications awaiting search and examination remained fairly steady.

4.3. Work continued on improving services, including completion of the reorganisation of the non-technical branch, installing equipment for computerisation of patents renewals section, and continued growth in the provision of search services for the public which are independent of statutory requirements.

4.4. At 30,364, the number of requests for grant was slightly lower than in 1986. The number of applications included in this total which entered the national phase after preliminary processing under the Patents Co-operation Treaty also fell from 436 to 395. Appendix 3 gives further details of filings under the 1977 Act, the European Patent Convention and the Patent Co-operation Treaty. Requests for preliminary examination and search under section 17 of the 1977 Act fell by 5.7 per cent to 16,873 and requests for substantive examination under section 18 fell by 10.8 per cent to 13,397. At 19,945 the number of applications filed by UK residents fell slightly but still accounted for 65 per cent of the total. Applications originating abroad continued to decline slowly but with Australia, Canada, Netherlands and Switzerland showing modest increases against the general trend. Appendix 4 sets out full details of applications filed, published and patents granted broken down under country of residence of the applicant and compared with 1986.

4.5. The total number of patent applications published during 1987 was 15,354 and the number of patents granted was 13,049. Appendix 5 gives the breakdown by subject matter classification for published applications and granted patents. The number of European patents designating the UK granted by the European Patent Office during the year was 15,652.

4.6. The number of patents renewed during the year increased from 213,457 to 215,274 maintaining the gradual growth over recent years. The details of renewals set out in Appendix 7 includes patents granted under the 1949 Act and shows that 17,630 are enjoying extension beyond their original 16 year term. During the extended period these patents are treated as being endorsed 'licences of right' and only half fees are payable for their renewal. A further 4,892 patents renewed have been voluntarily endorsed 'licences of right', including 476 which were granted under the European Patent Convention and these also pay renewal fees at half rate. The number of patents granted under the European Patent Convention which were effective in the United Kingdom at the end of 1987 totalled 63,865 of which 50,007 were renewed and 13,858 had yet to reach their first renewal date. European patents designating the United Kingdom now account for 26.5 per cent of patents having effect, an increase of 8 per cent on the 1986 figure.

4.7. Revenue from renewals totalled £25,217,584 of which £4,510,155 was from European patents designating the UK. This latter figure shows an increase from £3,245,937 in 1986 and the amount passed over to the European Patent Office in accordance with Article 39 of the European Patent Convention increased to £2,279,441.

4.8. An analysis of all fees received is set out in Appendix 6. It shows total receipts of £28,994,704 an increase of just over 4 per cent over 1986. The higher number of renewals together with a general increase in fees from

26 May 1987 accounts for this additional revenue. Fees totalling £59,331 were certified for refund during the year and a further sum totalling £125,371 was returned mainly in respect of erroneously tendered renewal fees.

4.9. Appendix 8 shows that the number of requests for certified copies and office copies of documents increased by 12 per cent from 32,926 to 36,802. Most of these are used by UK applicants when seeking protection for their inventions abroad.

4.10. Appendix 9 sets out information in Part I about hearings held on questions arising from patent applications and in Part II about proceedings brought in respect of granted patents. Further details are given at paragraphs 4.17 and 4.18.

4.11. As usual it fell to the Office to consider a wide variety of patent matters. 1949 Act patents which are treated as endorsed 'licences of right' for the extended period of four years beyond their original term continued to attract a lot of interest and 95 applications were made to the Comptroller for settlement of applications terms. The corresponding number of requests in 1986 was 50. The number of disputes as to rights in inventions also increased from 19 to 24. Applications for revocation of patents remained at the 1986 level but, at 62, the number of applications for restoration of lapsed patents showed a decrease and remains very low in relation to the total of some quarter of a million patents that become due for renewal during the year.

4.12. As Appendix 10 records, some 6,065 proprietors were prepared to pay additional fees in order to extend the period within which their patent could be renewed.

*Work on domestic applications and patents*

4.13. During 1987 the examining staff carried out 16,767 searches under section 17 and 12,866 substantive examinations under section 18. At the end of the year the number of searches in hand was 3,062 (2,956 at the end of 1986) and in the great majority of cases the search report was issued within three months of receiving a request. The number of applications awaiting examination rose slightly to 14,472 (13,941 at the end of 1986).

4.14. About 23 man years were taken up by reclassification of search documentation, an essential housekeeping task to keep search times as low as possible and to improve retrieval. Another 22 man years was spent on incorporating European and PCT published applications into the examiners' search files. This is about the same as last year.

4.15. For staff in the non-technical areas the level of activity has remained high particularly in relation to renewals, proceedings concerning granted patents and under the international arrangements. There were many changes with the restructuring of the patent application processing sections foreshadowed in last year's report being completed. This improvement in organisation has brought about significant staff savings which, among other things, enabled the translation provisions referred to below to be brought into operation. At the end of the year equipment was installed in readiness for computerisation of the patents renewals system. The new system will take over progressively during the early months of 1988.

4.16. Work on drafting the Manual of Patent Practice was completed during the year and it is now in the process of being printed for sale to the public.

4.17. The number (28) of hearings on applications for patents was fewer than last year (35) and of these 23 were refused and five were allowed. Fifteen of the cases involved technical matters and 13 were procedural. Three appeals on pre-grant cases were heard by the Patents Court and all were refused.

4.18. The second part of Appendix 9 gives the number of post-grant hearings (including preliminary hearings) as 48, the same number as last year. Once again many of these (25) were in connection with requests for settlement of terms under licences of right on 1949 Act patents extended beyond the original 16-year term. Appeals on five licence cases and two other cases were heard by the Patents Court. Five actions for revocation under section 72 were heard and were successful, and in addition 50 cases were taken at the Comptroller's initiative under Section 73(2) with the result that 29 patents were revoked as having been granted for the same invention as a corresponding European patent (UK).

*Work in connection with European applications and applications under the Patent Co-operation Treaty*

4.19. In its international role the Office received 11,552 requests for grant under Article 75(1)(b) of the European Patent Convention for transmission to the European Patent Office, an increase of 13 per cent. Applications filed with the Office as Receiving Office under Article 10 of the Patent Co-operation Treaty (PCT) amounted to 926, an increase of 15 per cent.

4.20. In 1987, the Office in its capacity as an international preliminary examining authority under Chapter II of the PCT carried out 159 examinations, an increase of 42 per cent on the figure of 112 in 1986. These figures further reflect the growing interest in processing by the international routes.

*Patents legislation*

4.21. The Patents Rules 1982 were amended in April to increase fees to take account of inflation. The Patents (Amendment) Rules 1987 brought into force on 1 September 1987 Section 77(6) and Section 78(7) of the Patents Act 1977 which provide for the filing of translations into English of specifications and amendments of European patents designating the UK and claims of applications of European patents (UK) which have been published in French or German by the European Patent Office. In the case of specifications and amendments, if such a translation is not filed as prescribed, the patent granted by the EPO is treated as always having been void. Section 80(3) of the Act also entered into force and provides for corrected translations to be filed where those originally filed confer narrower protection than that conferred by the French or German text published by the EPO. By the end of the year 1,303 translations of specifications had been filed under section 77(6), 88 translations of claims under section 78(7) and two translations amended under section 80(3).

4.22. Other revisions of the rules of 1987 concerned rule 99, which specifies days as excluded days, rule 100, which provides for amendment of documents and the correction of irregularities in procedure, and rule 110, which provides for the alteration of time limits when rights would otherwise have been lost due to an error on the part of the applicant or his agent. Significant use has already been made of this provision.

*Register of Patent Agents*

4.23. The number of names on the Register of Patent Agents on 31 December 1987, was 1,241. During the year the names of 21 persons were placed on the Register and the names of 22 were erased by reason of death or resignation. In addition, four names were erased for failure to pay the annual fee under the provisions of Rule 12 of the Register of Patent Agents Rules 1978.

4.24. UK National applications and European applications designating the United Kingdom published during 1987 reflect noticeable activity in pharmaceuticals, electronics, transport, safety and leisure interests. Examples of these and other trends are reported below. Activity, as usual, reflects both long term developments and research, as well as responses to particular needs arising from recent events and changes in public demand.

4.25. Unwanted blood clots in the body can be dissolved by an enzyme, known as plasmin, which is released from its inactive form by a second enzyme, known as tissue plasminogen activator. Attention has been directed to the production of medicinal compositions of the activator for administration to a patient, having either increased stability and shelf-life, or increased solubility in water in order to reduce the volume needed for parenteral administration. Modified forms of the activator, having increased potency, have also been developed, for example by cell culture techniques or genetic engineering.

4.26. Research into retroviral diseases, has resulted in the preparation of new derivatives of 3'-azidonucleosides. Various proteins, derived from HIV, have been prepared either by recombinant DNA technology, or by chemical synthesis, either for use in immunological tests or in attempts to develop a vaccine for the AIDS virus.

4.27. In the pharmaceutical field there is evidence of a growing interest in the investigation of materials known from so-called 'folk medicine' to have beneficial effects. These investigations have led to the extraction from plants of compounds and compositions having therapeutic properties in treating some diseases.

4.28. New uses have been found for light conductive rods or fibres to increase accuracy and sensitivity in the field of measurement and detection of both physical phenomena and chemical substances. Deformations of an optical fibre may be detected by providing partly reflecting junctions at intervals along the fibre to measure the amplitude, frequency etc of acoustic waves, particularly in seismic exploration. Pulse pairs of laser light at different frequencies are injected into the fibre and phase shifts in the partially reflected light are detected to measure the deformation forces acting on the fibre. To measure magnetic field, an optical fibre is constructed with a core of magnetostrictive material which changes its length in a magnetic field. Phase changes in light passing through the fibre caused by changes in its length enable the magnetic field strength to be measured. Optical fibres have also been used in chemical assay apparatus. Light passed along the fibre excites fluorescence in an extremely thin coating of the substance under test on the fibre wall. The fluorescent light energy is transmitted along the fibre and detected. The technique has been developed by improving the mounting arrangements for the fibre to increase sensitivity. It has also been adapted for the assay of polynucleotides.

4.29. TV cameras are being used for accurate measurement of dimensions, particularly in hazardous environments, eg inside nuclear reactors. In one arrangement a TV camera is moved to view first one end of an object and then the other end. Potentiometers provide electric signals related to the angular movement of the camera and its mounting from which a measurement of the dimension of the object is derived. In another arrangement, the image of an object from a TV camera is applied to an array of Charge

Coupled Device (CCD) image sensors. Superimposed on the output of this array is a grid of cursor lines to allow measurements to be made of the object. The use of the CCD array enables greater discrimination of the image of the object.

4.30. Gyroscopes without moving parts and which use rotating clockwise and counterclockwise beams of laser light in a resonant ring waveguide can have problems caused by beating, backscatter or feedback. These are overcome by switching arrangements which ensure that both the clockwise and counterclockwise beams are not present simultaneously in the resonator. In another gyroscope, the use of active elements in the waveguide structure, such as separate frequency control devices, is avoided in order to reduce degradation of the signal owing to noise.

4.31. The application of electronics to postage meters is enabling them to perform new functions resulting in greater business efficiency. Conventional postage meters require on-site inspection by the postal authority to ensure that the correct postage is being paid and to carry out resetting. Using a portable microprocessor, called a 'smart card', however, postage credit can be purchased from the authority and fed into the meter, or transferred between meters, without risk of misuse. The system prints a manifest to accompany each mailing and simultaneously transmits the details to the authority which is therefore able to check the mail being sent without the need for a secure printer in the user's franking machine.

4.32. Greater versatility and efficiency are the aims of the latest inventions in car body assembly lines. By varying the orientation of the bodies as they move along the line according to the assembly step to be carried out, eg when assembling parts in an engine compartment or boot, time can be saved and the automatic assembly equipment can be simplified. To enable several different operations to be performed at the same work-station, a single robot arm is programmed to select various tools in sequence from a magazine. Several different models can be produced on the same line by adopting a modular system of body construction.

4.33. Four-wheel drive cars are becoming increasingly popular and the latest developments offer the motorist even better road-holding in difficult conditions. New transfer gearing can distribute the torque between the front and rear wheels in variable proportions so that more torque can be given to those wheels which are best able to grip the surface. There has also been increased inventive activity in limited-slip differentials, often employing the viscous drag property of fluids. Like ordinary differentials, they allow wheels on the same axle to turn at different speeds when cornering, but they prevent one wheel from spinning rapidly on a loose or slippery surface.

4.34. Electric power steering systems for vehicles are being developed in view of the complicated structure of the conventional hydraulically operated power steering systems and the ready availability of integrated circuit chips. The electric motor driven power assisted steering systems are also particularly suited to electronic control and can be arranged to respond to various conditions sensed, for example vehicle speed, providing greater power assistance at lower speeds, for example when parking, than at higher speeds.

4.35. As the amount of road and motorway maintenance increases so does the demand for temporary roadway markers. Conventional traffic cones can be hazardous if hit or run over by a vehicle, as they can become caught up

under the vehicle or left lying in the path of following traffic. Flat upright markers, which key into a horizontal carrier in such a way that they are bent flat on impact returning to upright later, overcome these problems.

4.36. Developments continue in the field of safety in the home particularly to reduce the likelihood of fire. Problems which can arise from electric pressing irons left unattended with the power on are overcome by providing irons with inactivity and attitude sensors. The inactivity sensor has the ability to respond after being left alone for a period of time whereby if the iron is left in a pressing (horizontal) position the power is automatically cut off after a very short period of time and if left in a non-pressing (vertical) position the power is cut off after a longer period of time.

4.37. Increased attention has been paid to the mounting of the heat-exchange tubes in the pressure vessels of nuclear powered steam generators. These tubes carry coolant fluid from the reactor to heat secondary fluid which generates the steam. Proposed developments include tube supports which both direct the flow of secondary fluid, so as to prevent accumulation of corrosive materials in the vessel, and avoid point contact, and thus wear, between the support and the tube. Other developments include the design of antivibration bars to minimise vibration of the tubes, and the connection of tube supports to the pressure vessel wall in such a manner as to allow for relative thermal expansion between these components.

4.38. The increased popularity of snooker, has been reflected in an increase in the number of inventions relating to all aspects of the game. Examples include geometrical or optical devices for teaching the skill of potting; telescopic cues or extensions for standard cues; a spring-loaded cue which releases a pre-set force for use by the handicapped; improved materials and constructions for cues to reduce the risk of warpage and even board games based on snooker.

4.39. The headings, in which the above subjects are classified, are given in Appendix 5.

#### **(b) Designs**

4.40. Application filings continued to rise steadily during the year, ending with 8,646, a total more than 10 per cent above that for the previous year. New registrations totalling 7,140 were slightly fewer than the number for the previous year but were 20 per cent above the last ten years' average. Classes of article subject to the largest filing, and all showing a marked increase in numbers during 1987, were measuring, identifying and calculating instruments (up 30 per cent); containers (up 35 per cent); radios and audio/visual electronic apparatus; furniture (up 100 per cent); and suspending, supporting, displaying and vending devices. Games and toys designs decreased by 18 per cent to become the fourth largest class. Appendix 11 provides an analysis of the new applications received and the designs registered from 1978 to 1987.

4.41. United Kingdom applications, at just over 48 per cent of all applications, increased by nearly 19 per cent to total 4,161 and while the overseas applications also increased to number 4,485 that increase was under 4 per cent. Over 58 per cent of the overseas applications were filed under the International Convention and that total of 2,614 was a 13 per cent increase over the 1986 figure. Hong Kong filed over 10 per cent of all applications and while the largest number continued to be received from that source the total

showed a 10 per cent decrease in comparison with the previous year. Substantial filings continued to be received from Japan and the USA, both showing a 10 per cent increase, followed by the German Federal Republic with an increase of over 22 per cent. Appendix 12 enumerates all the new applications for 1986 and 1987 by country of origin.

*Certificates by the Registrar under section 24 and rule 51*

4.42. The total of 2,127 certificates issued was a slight increase on the number issued during 1986 and was well over 7 per cent above the ten year average.

*Fees*

4.43. Receipts at £749,990 were 8 per cent up on receipts for 1986 and that figure was achieved without any increase in fees during the year. A detailed statement is given in Appendix 13.

*Extension of design protection and other proceedings under the Registered Designs Act*

4.44. Appendix 14 sets out the extensions of Registered Design protection for second and third periods made from 1978 to 1987. The 1987 figures were slightly higher than those of the previous year and the second period total was 32 per cent above the average over the last ten years. The appendix also includes an analysis of the numbers of objections, results of hearings and appeals to the Tribunal from 1978 to 1987 together with details of applications made for the cancellation of registrations under Section 11.

**(c) Trade and Service Marks**

4.45. The total number of applications for the registration of trade and service marks declined by 15 per cent in 1987 to 33,399 from the record level of 39,153 in 1986, when filings were boosted by the initial flood of applications on the introduction of service mark registration. Within the total, trade mark applications edged upwards by 2 per cent to a new record of 26,572 and service mark applications fell back 48 per cent from 13,198 to 6,827.

4.46. The drain of experienced staff continued and of the 66 examiners and classification staff in post at the end of 1987, 34 had less than one year's experience of trade and service mark work. In spite of the turnover of staff, and with no increase in the total number of examiners, the number of applications examined rose from 24,981 in 1986 to 29,135 in 1987, which was a record. This was achieved partly by the adoption of more efficient work methods, eg computerised word searching, and partly through the ability and enthusiasm of the staff involved.

4.47. The overall pattern of trade mark applications showed little change from earlier years. UK residents accounted for 53 per cent of the total, down from 55 per cent in 1986; 13 per cent came from the USA (12 per cent in 1986) and 6 per cent from the German Federal Republic, as in 1986. Once again, most applications advertised were in respect of electrical and electronic goods etc in Class 9 (14 per cent of the total) followed by pharmaceutical goods in Class 5 and clothing in Class 25 (each accounting for 7 per cent). As in 1986, the large majority of service mark applications came from UK residents (69 per cent) followed by USA (10 per cent) and the German Federal Republic (2 per cent).

4.48. Applications claiming priority of date under the International Convention rose by 51 per cent to 2,446 recovering strongly after the fall in 1986.

4.49. Applications for textile marks made through the Manchester branch continued at a very low level, 17 in 1986 and 12 in 1987. There were three applications made through the Cutlers' Company for metal goods.

4.50. The number of registrations renewed rose slightly, to 14,213, some 57 per cent of the total due for renewal.

4.51. Fee income rose 4.7 per cent to £6,845,000. Of the total, renewal fees accounted for 47 per cent, applications for registration 29 per cent and new registrations 17 per cent. For the year ended 30 June 1987, the fees collected by The Cutlers' Company in respect of Sheffield marks amounted to £4,894.50, of which one-half was remitted to the Company in accordance with a long standing agreement.

**(d) Publicity**

4.52. The Publicity Unit directed its main efforts during 1987 to raising the awareness of intellectual property in the universities. To this end, and with a view to airing the questions of exploitation of intellectual property rights and technology transfer from institutions of higher education generally into industry, the Office took the initiative in 1987 in proposing a national conference of all the relevant interests.

4.53. Subsequently, a conference entitled 'Wealth from Science' was held at the Queen Elizabeth II Conference Centre, Westminster on 16 November under the joint sponsorship of the Patent Office and the five Research Councils. The conference was opened by the Secretary of State for Education and Science, the Right Hon. Kenneth Baker PC MP, before an invited audience of almost 400, including senior representatives from the universities and polytechnics, industrialists, financiers, venture capitalists. Papers given by eight eminent speakers in four sessions ensured that the subject was comprehensively covered.

4.54. The more routine work of the Unit continued throughout the year, and more than 100 presentations of one sort or another were given to a wide range of audiences including some 30 universities. More than half of the universities in the United Kingdom have now responded to our offer to provide speakers.

4.55. Following experimental presentations given to schoolchildren, it became increasingly evident that one key to establishing a positive permanent change in the national awareness of the value of intellectual property rights lies in the content of the relevant curricula taught at all levels in the schools, and the Unit is in discussion with educational interests to examine how an input can best be made and what it should consist of.

4.56. Advertisements continue to be placed in the national press at frequent intervals, and each insertion brings a wave of requests from people who are plainly giving attention for the first time to intellectual property possibilities.

**(e) Computerisation**

4.57. Development of the main computerisation project for patents and trade marks commenced during 1987 following the completion of the technical design earlier in the year. Implementation will be phased over 1988 and 1989.

4.58. Starting early in 1988 all renewals for patents will be computer processed. The renewals system will be followed in late 1988 by further phases providing a computerised patent register, improved search facilities for examiners and the public, and increased computerisation of the publication process for patent documents and the Official Journal (Patents).



4.59. In parallel with the developments in the Patents Branch, Trade Marks Branch will bring on-stream their own first phase in the summer of 1988. Among the functions will be improved data capture, a computerised register and enquiry system, and assistance with the production of the Trade Mark Journal.

4.60. During 1987 a further licence was signed for the dissemination of trade mark data. The licensee is a Swiss database operator, Ismarq.

**(f) Search and  
Advisory Service**

4.61. 1987 saw the continued growth in the provision of non-statutory search services to the public. The range of services started up in 1986, namely bibliographic and subject matter services in all the major commercial databases, a specialist chemical structure search and a number of trade and service marks services, was supplemented in June 1987 by the new Patent Search Service. This service is based on classified search files containing some 4 million documents allied to the technical skills and expertise of the examining staff. The service can be tailored to individual needs to provide state of the art reviews, novelty assessments, and so on, on a one-off, or regular basis. The Office now offers a comprehensive package of services for the benefit of industry.

## **5. International Activities**

**(a) World Intellectual  
Property Organisation  
(WIPO)**

5.1. This Organisation is a United Nations specialised agency based in Geneva. It administers the Paris Convention for the Protection of Industrial Property, the Berne Convention for the Protection of Literary and Artistic Works and various other international agreements in the field of intellectual property.

5.2. During the year staff attended a number of meetings concerned with the activities and supervision of the Organisation. Among the more significant of these were the meetings in the autumn of the Governing Bodies of WIPO and the Unions of WIPO at which the programmes of work to be undertaken by the Organisation in the years 1988 and 1989, and the necessary budgets, were settled.

5.3. The possible revision of the Paris Convention, which is the basic international convention in the field of industrial property, has been under consideration for some years. Between 1980 and 1984 there were four sessions of a Diplomatic Conference, but the Conference was eventually adjourned due to lack of progress. It was decided by the Governing Bodies that consultative discussions would be held in 1988 in an effort to determine whether the Diplomatic conference should be resumed.

5.4. It was also decided that a Diplomatic Conference to revise the Madrid Agreement concerning the International Registration of Marks would be convened for the first half of 1989 and, provisionally, that a Diplomatic Conference for the purpose of concluding a treaty on the protection of intellectual property in respect of integrated circuits should be convened in either 1988 or 1989. During the year, staff attended meetings of expert committees which carried out the preparatory work on draft provisions for the revised Agreement and for the new treaty which led to these decisions. A revised Madrid Agreement and a treaty concerned with integrated circuits are both expected to be of considerable significance to United Kingdom businesses.

5.5. Staff participated in the third and fourth sessions of the Committee of Experts on the Harmonisation of Certain Provisions in Laws for the Protection of Inventions where some progress towards agreement on a number of measures for the harmonisation of patent practice and procedure under different national laws was made.

5.6. In May, staff attended the second session of the Committee of Experts on measures against counterfeiting. The work of this Committee is primarily concerned with trade mark aspects of counterfeiting and is complementary to that being undertaken in other fora such as the General Agreement on Tariffs and Trade (GATT).

5.7. In the summer a Committee of Experts met to discuss biotechnological inventions including the legal protection of plants and animals.

5.8. Staff continued to participate in meetings of the Permanent Committee on Patent Information (PCPI) which is responsible for international co-operation in matters affecting patent documentation, information retrieval and classification, including revision of the International Patent Classification (IPC). In December the remit of the Committee was broadened to include Design and Trade Mark documentation and to reflect this change the Committee will in future be known as the Permanent Committee on Industrial Property Information (PCIPI). Staff also attended meetings of the Committee of Experts of the Special Union for the IPC and an advanced seminar on the IPC.

5.9. Members of the Trade Mark Branch attended a meeting in Geneva in February 1987 of a Preparatory Working Group which produced recommendations amending and updating the Nice Agreement concerning the International Classification of goods and services for the purposes of the registration of marks. The recommendations will go to a Committee of Experts.

5.10. The Office participated in the WIPO Development Co-operation Programme by providing a three-week training course in industrial property for officials from Ghana, Lesotho, the Philippines and Thailand and individual training for officials from Malaysia and Zimbabwe. During the summer two members of staff spent a period of time at the Thailand Patent Office providing advice to officials on both patent and trade mark matters.

**(b) General Agreement on Tariffs and Trade (GATT)**

5.11. The current round of GATT negotiations involves the trade-related aspects of intellectual property. Staff have been closely involved with the proceedings of a GATT Working Group dealing with this topic and have attended meetings of the Group in Geneva.

**(c) European Community**

5.12. Staff continued to participate in working party meetings with representatives of other Community states on the Community Patent Convention. This convention is not yet in force and problems which have to be solved concern finance, the provision of translations and implementing the Convention without all Community states as members. Satisfactory solutions to these problems have not so far been found, but some progress was made by the working party.

5.13. Staff also participated in meetings of a Council Working Party on Trade Marks and of ad hoc working groups which, between them, were able to reach agreement on much of the text of a proposal for a Council Regulation on a Community Trade Mark and of a proposal for a Council Directive

to approximate the trade marks laws of Member States. Despite much hard work, a small number of highly significant issues have yet to be resolved especially in connection with the Regulation. The proposed Directive was considered by the Internal Market Council in December but the Council was unable to adopt a common position. One particular problem concerned the date of implementation and whether this should be linked to the implementation of the Regulation.

5.14. The Commission recognised the many advantages of locating the proposed Community Trade Marks Office in London by including the site nominated by the Government at St Katherine-by-the-Tower in a provisional short list of four.

5.15. Staff attended a number of meetings of a Council Working Group to discuss the United Kingdom's proposal that the legal protection of semiconductor topographies prescribed by Council Directive 87/54/EEC be extended to topographies created by citizens and residents of the United States of America and of any dependency of the United Kingdom, and by companies and firms formed under the law of the United States and carrying on substantial business there or in any Community Member State. This proposal was agreed and was implemented in the United Kingdom in Statutory Instrument 1987 No. 1497.

#### **(d) European Patent Organisation**

5.16. Delegations from the United Kingdom participated in meetings of the Administrative Council of the Organisation and in the other committees and working parties which determine policy and oversee activities. The Organisation celebrated its 10th anniversary in October and continues to go from strength to strength. Over 40,000 applications for European patents were made in 1987, approximately 90 per cent of which designated the United Kingdom.

### **6. Standing Advisory Committees**

6.1. The Standing Advisory Committees on Patents and Trade Marks met jointly in January under the chairmanship of Mr D O Lewis to discuss revision of the Paris Convention. In June the Standing Advisory Committee on Trade Marks met again under the chairmanship of Mr Lewis to discuss the revision of United Kingdom trade marks law, the Madrid Agreement and the proposed Community Trade Marks System. The advice of both Committees was also sought on a number of other questions throughout the year.

### **7. Reports on Decided Cases**

7.1. Of the 39 cases reported in accordance with the requirements of the Patents Act 1977 and forming the 1987 Reports of Patent, Design and Trade Mark Cases, 24 were in respect of patents and seven in respect of trade marks. The reported cases also included three on copyright, three on passing-off, one designs and one practice decision.

### **8. Prospects for 1988**

8.1. A major preoccupation will be the continuing work on the Copyright, Designs and Patents Bill which should complete its passage through Parliament during the year.

8.2. During the course of 1988 the Office will be actively involved in arrangements for the projected move to Newport to be completed in 1991 and commencing with the establishment of a Trade Marks examining unit from 3 February 1988 with 22 staff (five of whom were experienced staff from the London office). The number of Trade Marks staff at Newport is expected to increase to about 70 during the course of 1988 as extra staff are taken on and trained.

8.3. Participation in the international work referred to in Section 5 above will continue. There will be particular interest in work concerned with harmonisation of laws relating to inventions since this has implications for work proceeding in parallel in the GATT on trade-related aspects of intellectual property.

8.4. There may be further developments on the Community Patent Convention, since the Federal Republic of Germany has expressed the desire to reconvene the Revision Conference begun in 1985 during its current presidency of the European Community. Nevertheless, several states will be reluctant to agree to this unless there are clear signs that the outstanding issues will be resolved. The work on finalising the Community Trade Mark Regulation and on the Directive to approximate national trade mark laws should be near to completion by the end of the year.

# APPENDIX 1

## Expenditure and Receipts—1987

### NON-CAPITAL EXPENDITURE AND RECEIPTS

	£'000	Expenditure £'000	Receipts £'000
<b>A Industrial Property and Copyright Department and other non-fee-earning activities:</b>			
Staff costs . . . . .	902	} 1,970	
Accommodation . . . . .	288		
General administrative expenses . . . . .	780		
<b>B Statutory Fee-earning services</b>			
<i>Patents</i>			
Staff costs . . . . .	11,864	} 23,246	28,995*
Accommodation . . . . .	4,858		
General administrative expenses . . . . .	4,953		
Allocation of printing deficit . . . . .	1,571		
<i>Designs</i>			
Staff costs . . . . .	387	} 714	750
Accommodation . . . . .	186		
General administrative expenses . . . . .	141		
<i>Trade Marks</i>			
Staff costs . . . . .	3,427	} 6,374	6,845
Accommodation . . . . .	936		
General administrative expenses . . . . .	1,995		
Allocation of printing deficit . . . . .	16		
<b>C Non-statutory services</b>			
<i>Sales and distribution of publications</i>			
Staff costs . . . . .	1,123	} 3,623	2,036
Accommodation . . . . .	250		
Printing . . . . .	1,835		
General administrative expenses . . . . .	415		
Less printing deficit allocation . . . . .	-1,587		
<i>Commercial search-based services</i>			
Staff . . . . .	81	} 1385	96
Accommodation . . . . .	15		
General administrative expenses . . . . .	42		
<b>Totals</b>		<b>34,478</b>	<b>38,342</b>

### CAPITAL EXPENDITURE

	£'000
Computer projects and other items‡	2,677

\*Includes £4,510,000 in respect of European patents (UK) renewals of which £2,279,000 was paid to the European Patent Office (see below).

†Excludes £380,000 charged against fees for office publications.

‡The expenditure is expected to be recovered through fees over the lifetime of the equipment. The amortisation costs in 1987 were £328.

§Includes developmental costs of £30,000 to be amortised over three years.

### EUROPEAN PATENT CONVENTION

	£'000
Payment to EPO in respect of renewal of European patents (UK)	2,279

### PATENT CO-OPERATION TREATY: FEES RETAINED AND TRANSFERRED

	£'000
Transmittal fees (retained by Patent Office)	9
IPEA examination fees (retained by Patent Office)	8
Search fees (transferred to European Patent Office, Munich)	698
Basic, Designation and Handling fees (transferred to World Intellectual Property Organisation, Geneva)	544
	<b>1,259</b>

APPENDIX 2

Staff Numbers

	1986	1987
Comptroller and Assistant Comptrollers . . . . .	3	3
Examining (patents) . . . . .	329	302
Administration group . . . . .	566	611
Technical Information Analysis . . . . .	3	3
Typing and machine operating . . . . .	65	51
Photoprinting . . . . .	25	22½
Paperkeeping, messengerial . . . . .	131	119
Cleaning . . . . .	½	½
	1,122½	1,112

**APPENDIX 3**

**Requests for grant, search and examination**

**REQUESTS FOR GRANT FOR SEARCH AND FOR EXAMINATION (PATENTS ACT 1977)**

	<i>Requests for Grant</i>		<i>Requests for Search</i>	<i>Requests for Examination</i>
	<i>without claim to priority</i>	<i>with claim to priority</i>		
1983 . . . . .	18,363	16,328	21,716	19,157
1984 . . . . .	17,664	15,164	20,815	18,016
1985 . . . . .	18,362	13,603	19,088	16,542
1986 . . . . .	18,978	12,125	17,901	15,024
1987 . . . . .	19,202	11,162	16,873	13,397

**REQUESTS FOR GRANT FILED UNDER ARTICLE 75(1)(b) OF THE EUROPEAN CONVENTION**

	<i>UK Residents</i>	<i>Foreign Residents</i>
1983 . . . . .	1,993	6,052
1984 . . . . .	1,930	7,239
1985 . . . . .	2,208	7,359
1986 . . . . .	2,506	7,735
1987 . . . . .	2,865	8,687

**REQUESTS FOR GRANT FILED UNDER ARTICLE 10 OF THE PATENT CO-OPERATION TREATY**

1983 . . . . .	355
1984 . . . . .	454
1985 . . . . .	605
1986 . . . . .	806
1987 . . . . .	926

APPENDIX 4

**Applications made and published, and patents granted according to country of residence**

APPLICATIONS MADE UNDER SECTIONS 15(1), 81(1) AND 89(1), APPLICATIONS PUBLISHED UNDER SECTION 16(1) AND PATENTS GRANTED ACCORDING TO COUNTRY OF RESIDENCE OF APPLICANT (PATENTS ACT 1977)

	Applications Made	1986 Applications Published	Patents Granted	Applications Made	1987 Applications Published	Patents Granted
United Kingdom	20,040	5,910	4,610	19,945*	6,128	3,875
Channel Islands	36	21	10	71	13	11
Algeria	—	1	—	—	—	—
Andorra	—	—	—	2	—	—
Argentina	4	3	1	2	4	—
Australia	167	147	141	223	182	121
Austria	49	63	97	54	58	79
Bahamas	2†	1	2	—	2	1
Barbados	—	—	—	4	—	—
Belgium	89†	36	53	81	34	35
Belize	—	1	—	—	—	—
Bangladesh	—	—	—	1	—	—
Bermuda	4†	—	2	1	2	—
Botswana	—	—	1	—	—	—
Brazil	15†	8	9	9	12	4
Brunei Darussalam	1†	—	1	—	1	—
Bulgaria	18†	22	10	9	13	14
Burma	—†	—	1	—	—	—
Canada	327	98	113	364	119	85
Cayman Islands	—	1	—	5	3	—
Chile	1	—	—	1	2	—
China	12	12	—	19	13	2
Colombia	—	—	—	1	—	1
Cuba	—	2	2	—	—	1
Cyprus	6	—	—	9	1	1
Czechoslovakia	55	56	55	39	45	48
Denmark	88	56	89	87	61	43
Egypt	1	1	1	1	1	1
Finland	84	91	103	95	95	78
France	334	354	373	300	283	307
Germany, Democratic Republic	98	104	94	93	89	85
Germany, Federal Republic	1,448	1,532	1,811	1,310	1,325	1,513
Ghana	1	—	—	—	3	—
Gibraltar	17	2	1	10	6	—
Greece	4	3	2	4	—	3
Hong Kong	222	56	40	206	112	30
Hungary	102	92	90	71	91	78
Iceland	1	2	—	2	2	1
India	5	7	6	7	6	4
Indonesia	4	1	—	—	2	—
Iran	1	—	—	2	1	—
Iraq	8	3	1	3	4	5
Irish Republic	67	56	24	90	70	38
Israel	63	46	43	46	39	24
Italy	404	377	380	350	334	295
Ivory Coast	1	—	1	—	1	—
Jamaica	1	—	—	1	2	—
Japan	2,441	2,674	3,135	2,362	2,354	2,484
Jordan	—	4	—	2	1	—
Kenya	5	4	3	1	5	1
Korea, Democratic Republic	—	1	—	—	1	—
Korea, Republic of	28	24	14	54	30	7
Kuwait	—	—	1	1	—	—
Lebanon	—	—	—	1	—	—
Liberia	4	—	1	4	2	—
Libya	—	1	—	1	—	—
Liechtenstein	35	23	32	21	22	20
Luxembourg	38	6	13	41	20	7
Malawi	1	—	—	1	—	—

\*This figure includes 3,377 applications claiming priority from an earlier application.

†Amended figures

Amendments to 1985 Report

Country	Applications Made
Bahamas	1
Belgium	94
Bermuda	1
Brazil	12
Brunei Darussalam	—
Bulgaria	21
Burma	—



APPENDIX 4—continued

	1986			1987		
	Applications Made	Applications Published	Patents Granted	Applications Made	Applications Published	Patents Granted
Malaysia	29	20	15	10	19	16
Mali	—	1	—	—	—	1
Malta	1	2	1	1	—	—
Mauritius	1	—	—	1	—	—
Mexico	2	6	2	1	1	2
Monaco	7	2	—	6	3	—
Netherlands	327	160	268	352	138	178
Netherlands Antilles	17	1	—	3	6	—
New Zealand	39	33	34	38	25	24
Nigeria	—	—	2	3	2	1
Norway	79	41	43	66	65	38
Pakistan	1	—	—	1	—	1
Panama	7	2	7	9	3	3
Papua New Guinea	1	—	—	—	1	—
Philippines	1	—	2	3	1	—
Poland	6	14	8	9	6	8
Portugal	3	5	1	3	3	—
Puerto Rico	2	—	—	—	—	—
Romania	—	—	1	—	—	—
Saudi Arabia	3	1	1	5	1	—
Seychelles	—	—	—	1	—	—
Singapore	29	25	6	27	14	7
South Africa	71	52	58	78	58	33
Spain	82	58	38	84	83	50
Sri Lanka	1	2	—	—	1	—
St Christopher and Nevis	—	1	—	—	—	—
St Lucia	1	—	—	—	—	—
Sweden	159	151	213	116	122	168
Switzerland	547	316	379	560	274	242
Taiwan	177	122	43	210	170	36
Thailand	1	—	1	5	—	—
Trinidad & Tobago	1	3	—	4	1	—
Turkey	—	—	—	1	—	—
United Arab Emirates	1	2	2	1	—	—
United States of America	3,016	2,851	3,609	2,607	2,618	2,849
USSR	143	101	100	135	131	86
Venezuela	4	6	2	5	6	3
Virgin Islands	4	—	—	3	2	—
Yugoslavia	7	3	3	3	5	1
Zimbabwe	1	1	1	6	1	—
	31,103	15,884	16,206	30,364	15,354	13,049

APPENDIX 5

# Specifications published in 1987 and trends of inventions

## SPECIFICATION NOS. 2176681 — 2192120 (1977 ACT APPLICATIONS ONLY)

These are shown divided according to the 40 divisions of the present classification system together with comparable figures for the year 1986. The figures for 1977 Act specifications include those resulting from domestic applications made under section 81(1) and 89(1) of this Act.

Serial numbers\* were not utilised and there are no specifications bearing these numbers.

Division	Main subject matter	Specifications published			
		1986		1987	
		(Applications)	(Grants)	(Applications)	(Grants)
A1	Agricultural; animal husbandry	267	264	226	143
A2	Food; tobacco	154	180	172	159
A3	Apparel; footwear; jewellery	126	115	119	88
A4	Furniture; household articles	522	376	547	352
A5	Medicines; surgery	494	476	516	420
A6	Entertainments	239	157	275	98
B1	Physical and chemical apparatus	285	316	267	249
B2	Crushing; coating; separating	280	305	271	251
B3	Metal working	537	638	475	556
B4	Cutting; hand tools; radioactive handling	139	138	155	95
B5	Working non-metals; presses	398	457	351	280
B6	Stationery; printing; writing; decorating	218	205	245	200
B7	Transport	605	569	555	479
B8	Conveying; packing; load-handling; hoisting; storing	1,070	1,062	1,024	768
C1	Inorganic chemistry; glass; fertilizers; explosives	342	325	289	277
C2	Organic chemistry	512	635	444	539
C3	Macromolecular compounds	422	413	390	426
C4	Dyes; paints; miscellaneous compositions	79	72	79	83
C5	Fats; oils; waxes; petroleum; gas manufacture	184	181	175	153
C6	Sugar; skins; microbiology; beverages	41	28	42	37
C7	Metallurgy; electrolysis	290	362	233	207
D1	Textiles; sewing; ropes	350	450	360	302
D2	Paper	14	18	16	15
E1	Civil engineering; building	879	838	749	682
E2	Fastenings; operating doors	376	264	378	279
F1	Prime movers; pumps	545	364	466	531
F2	Machine elements	1,360	1,449	1,264	1,097
F3	Armaments; projectiles	108	92	104	97
F4	Heating; cooling; drying; lighting	534	505	481	389
G1	Measuring; testing	870	909	1,025	692
G2	Optics; photography	400	544	472	309
G3	Controlling; timing	311	428	312	332
G4	Calculating; counting; checking; signalling; data-handling	397	413	447	338
G5	Advertising; education; music; recording	311	310	255	193
G6	Nucleonics	40	38	38	61
H1	Electric circuit elements; magnets	757	743	713	685
H2	Electric power	493	456	458	345
H3	Electronic circuits; radio receivers	204	338	239	159
H4	Telecommunications	647	684	663	615
H5	Miscellaneous electric techniques	84	89	64	68
		15,884	16,206	15,354	13,049
		32,090		28,403	

\* 2,177,347, 2,177,459, 2,177,494, 2,178,017, 2,178,051, 2,179,130, 2,179,070, 2,179,581, 2,179,217, 2,179,800, 2,179,914, 2,180,088, 2,180,390, 2,180,462, 2,181,269, 2,180,598, 2,180,561, 2,181,497, 2,181,425, 2,182,388, 2,182,519, 2,182,305, 2,182,171, 2,183,033, 2,182,642, 2,182,646, 2,181,594, 2,183,958, 2,183,003, 2,184,234, 2,183,691, 2,184,411, 2,184,666, 2,184,131, 2,185,447, 2,185,633, 2,185,909, 2,186,028, 2,185,999, 2,186,122, 2,186,540, 2,186,261, 2,187,389, 2,187,604, 2,188,000, 2,188,726, 2,188,756, 2,189,313, 2,189,264, 2,190,097, 2,189,691, 2,189,530, 2,189,349, 2,190,389, 2,190,565, 2,190,401, 2,190,597, 2,190,571, 2,190,975, 2,191,417, 2,190,395, 2,191,260, 2,191,763, 2,191,960, 2,191,523, 2,190,872.

In addition, 27 specifications of accepted applications (1949 Act) were published.

**APPENDIX 5—continued**

**TRENDS OF INVENTIONS**

*Note:* The subjects referred to in the section dealing with 'Trends of Inventions in Published Specifications' (listed below in order of mention) are classified mainly in the following headings for which abstracts appear in the volumes indicated.

<i>Subject</i>	<i>Heading</i>	<i>Abstract Volume</i>
Tissue plasminogen activator		
—pharmaceutical preparations	A5B	A5–A6
—modified forms	C3H	C3
3'-azidonucleosides	C2C	C2
Proteins derived from HIV	C3H	C3
Therapeutic material from plants	A5B	A5–A6
Optical fibre sensors	G1A	G1
Measurement with TV cameras	G1M	G1
Gyroscopes using laser light	G1A	G1
Postage meters	B6C	B6
Car body assembly lines	B7B	B7
Four wheel-drive systems in cars	F2C, F2D	F2
Electronic power steering systems	B7H	B7
Traffic cones	E1G	E1–E2
Sensors in electric irons	D1A	D1–D2
Nuclear steam generators	F4A	F3–F4
Snooker	A6H	A5–A6

APPENDIX 6

Patent fees received 1987

<i>Description of documents, etc</i>	<i>No.</i>	<i>Amount received £</i>
<b>Patents Act 1949:</b>		
Application for results of search . . . . .	1,099	2,198
Applications for amendments of complete specifications after acceptance . . . . .	6	276
<b>Patents Act 1977</b>		
Requests for grant . . . . .	30,364	303,640
Request for search . . . . .	16,873	1,400,170
Requests for examination . . . . .	13,397	1,339,700
<b>Patents Act 1949 to 1977:</b>		
<b>Renewal fees</b>		
In respect of 5th year . . . . .	13,503	1,041,764
European Patents (UK) . . . . .	10,004	771,946
In respect of 6th year . . . . .	13,359	1,111,172
European Patents (UK) . . . . .	12,865	1,070,796
In respect of 7th year . . . . .	13,121	1,196,134
European Patents (UK) . . . . .	11,541	1,053,146
In respect of 8th year . . . . .	13,258	1,315,146
European Patents (UK) . . . . .	8,703	864,236
In respect of 9th year . . . . .	14,009	1,545,268
European Patents (UK) . . . . .	4,996	554,084
In respect of 10th year . . . . .	15,387	1,861,059
European Patents (UK) . . . . .	1,422	173,372
In respect of 11th year . . . . .	14,225	1,894,758
In respect of 12th year . . . . .	12,092	1,756,308
In respect of 13th year . . . . .	9,849	1,590,228
In respect of 14th year . . . . .	9,224	1,648,320
In respect of 15th year . . . . .	8,349	1,636,180
In respect of 16th year . . . . .	6,845	1,473,590
In respect of 17th year . . . . .	5,964	699,244
In respect of 18th year . . . . .	4,791	607,153
In respect of 19th year . . . . .	4,025	566,856
In respect of 20th year . . . . .	2,850	440,362
In respect of half fees on patents voluntarily endorsed 'licences of right' . . . . .	4,416	323,887
European Patents (UK) endorsed 'licences of right' . . . . .	476	22,575
Extensions of time for paying renewal fees . . . . .	4,605	167,654
European Patents (UK) . . . . .	1,460	52,528
Applications for restoration of patents . . . . .	62	4,425
Applications for revocation of patents . . . . .	19	399
Applications for voluntary endorsement of patents 'licences of right' . . . . .	557	6,684
Applications for entries in register . . . . .	5,146	42,706
Requests for certified copies and office copies of documents . . . . .	36,802	301,940
Requests for information . . . . .	705	5,640
Inspection fees (patent register and documents) . . . . .	18,523	38,330
Miscellaneous . . . . .	4,850	110,830
		28,994,704
Fees certified for refund during 1987 . . . . .		59,331

APPENDIX 7

Number of renewal fees paid, 1976-87

	5th year	6th year	7th year	8th year	9th year	10th year	11th year	12th year	13th year	14th year	15th year	16th year	17th year	18th year	19th year	20th year
1976 . . .	33,675	29,348	24,539	22,535	18,962	15,938	13,831	10,977	9,179	7,362	5,560	3,932	—	—	—	—
1977 . . .	33,743	29,261	26,007	21,263	19,648	16,561	13,705	11,694	9,266	7,432	5,948	4,151	—	—	—	—
1978 . . .	31,908	30,527	26,240	22,967	18,918	17,582	14,535	11,936	10,135	7,697	6,216	4,564	—	—	—	—
1979 . . .	29,714	28,668	27,153	22,943	20,139	16,610	15,368	12,600	10,340	8,540	6,397	4,804	—	—	—	—
1980 . . .	29,377	26,500	25,201	23,701	20,401	17,701	14,650	13,061	10,710	8,741	7,040	4,878	—	—	—	—
1981 . . .	28,472	25,981	23,141	21,652	20,290	16,999	14,638	12,205	10,992	8,724	6,940	5,198	—	—	—	—
1982 . . .	29,340	27,573	23,908	20,844	19,756	18,244	15,124	13,080	10,831	9,837	7,729	5,868	—	—	—	—
1983 . . .	28,901	28,364	23,647	20,653	17,956	16,844	15,381	12,768	11,208	9,352	8,151	6,241	2,992	—	—	—
1984 . . .	26,824	25,940	24,802	20,566	17,936	15,320	14,239	13,051	10,793	9,476	7,695	6,511	5,024	2,491	—	—
1985 . . .	26,342	26,944	24,141	22,342	18,658	16,323	13,714	12,809	11,743	9,679	8,206	6,645	5,692	4,289	2,112	—
1986 . . .	25,048	26,617	24,983	21,757	19,761	16,642	14,341	11,866	11,143	10,242	8,416	7,005	5,566	4,760	3,588	1,722
1987 . . .	23,609	26,531	25,039	22,375	19,375	17,263	14,744	12,586	10,367	9,635	8,831	7,289	5,964	4,791	4,025	2,850

The figures shown in this table include patents endorsed 'licences of right' on which half fees are payable but do not include patents of addition in respect of which no renewal fees are payable.

Patents granted an extension of term beyond the normal period (in force on 31 December 1987)—1.

Patents in force to end of fourth year (as at 31 December 1987)—26,088 (including 13,858 European patents (UK) granted but not due for renewal).

European patents (UK) (included in table above):

	5th year	6th year	7th year	8th year	9th year	10th year
1983 . . .	5,845	2,146	—	—	—	—
1984 . . .	8,246	6,266	1,980	—	—	—
1985 . . .	9,754	9,889	6,145	1,813	—	—
1986 . . .	9,975	11,698	9,623	5,536	1,573	—
1987 . . .	10,026	12,989	11,663	8,810	5,073	1,446

**APPENDIX 8**

**Certificates of the Comptroller**

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	<i>Requests made for certificates</i>
1983 . . . . .	35,070
1984 . . . . .	34,167
1985 . . . . .	32,672
1986 . . . . .	32,926
1987 . . . . .	36,802

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These requests which were almost all for certified copies of specifications or other documents required for use in connection with applications filed abroad, provide some indication of the extent to which domestic applicants for patents seek further protection for their inventions in other countries.

APPENDIX 9

Hearings and proceedings concerning patents 1987

PART I

HEARINGS ON APPLICATIONS FOR PATENTS

	Hearings appointed	Allowed	Refused	Appeals heard by Patents Court	Allowed	Refused
Technical	15	4	11	2	—	2
Procedural	13	1	12	1	—	1

PART II

PROCEEDINGS CONCERNING PATENTS

(The sections of the Act shown relate to the Patents Act 1977, unless otherwise stated)

Applications, References and actions by the Comptroller under Section:	Lodged	Heard	Allowed*	Refused	Appeals Heard by Patents Court
Rights in Patents					
Sections 8, 12 and 37	24	8	6	6	2
Disputes between joint Applicants					
Section 10 or 12(4)	1	1	N/A	N/A	—
Inventors Rights					
Section 13	11	2	—	2	—
Amendments to Specification					
Section 27	37	1	43	—	—
Section 29 (1949 Act)	6	1	10	—	—
Opposition to Amendments of Specification					
Section 27	2	1	—	3	—
Section 29 (1949 Act)	6	1	10	—	—
Restoration of Lapsed Patent					
Section 28	62	3	51	18	—
Surrender of Patent					
Section 29	7	—	1	4	—
Compensation of Employee					
Section 40	1	—	—	—	—
Licenses of Right					
Section 46(1)	557	—	545	—	—
Settlement of Terms under Licence of Right					
Section 46(3)	95	25	N/A	N/A	5
Section 35(2) (1949 Act)	1	—	—	—	—
Cancellation of Licence of Right					
Section 47(1)	7	—	3	—	—
Section 36(1) (1949 Act)	1	—	—	—	—
Opposition to Cancellation of Licence of Right					
Section 36(5) (1949 Act)	1	—	—	—	—
Compulsory Licence					
Section 48(1)	1	—	—	—	—
Opposition to Compulsory Licence					
Section 52(1)	2	—	—	—	—
Declaration as to Non-Infringement					
Section 71	3	—	4	—	—
Revocation of Patents					
Section 72	15	5	5	—	—
Section 33 (1949 Act)	4	—	—	3	—
Section 73(1)	4	—	13	—	—
Section 73(2)	50	—	129	—	—
Amendments before the Court					
Section 75	3	—	1	1	—
Section 30 (1949 Act)	3	—	2	—	—
Correction of Clerical Errors					
Section 117	51	—	57	1	—
Section 76 (1949 Act)	3	—	3	—	—

\*Including those allowed in part where applicable.

†Indicates the number of patents revoked under Section 73.

APPENDIX 10

**Extensions of period for payment of renewal fees**

	<i>Extension of</i>						<i>Total</i>
	<i>1 month</i>	<i>2 months</i>	<i>3 months</i>	<i>4 months</i>	<i>5 months</i>	<i>6 months</i>	
1983 . . . . .	2,865	965	371	213	233	580	5,227*
1984 . . . . .	3,013	956	426	260	229	577	5,461*
1985 . . . . .	3,538	990	430	231	205	562	5,956*
1986 . . . . .	3,469	1,080	488	245	260	567	6,109*
1987 . . . . .	3,383	1,046	516	240	230	650	6,065*

\*European patents (UK) included above:

1984 . . . . .	445
1985 . . . . .	844
1986 . . . . .	1,160
1987 . . . . .	1,460



**APPENDIX 11**

**Designs—Applications and registrations 1978-87**

(In this and other parts of the report dealing with designs, references by number to sections of the Act are references to the Registered Designs Acts 1949 to 1961, and references to rules are references to the Designs Rules 1984\* as amended by the Registered Designs (Fees) Rules 1986† and the Designs (Amendment) Rules 1987‡.)

**APPLICATIONS AND REGISTRATIONS**

	<i>Applications received for new registrations</i>			<i>Designs registered</i>
	<i>Total</i>	<i>From Abroad</i>		
		<i>Total</i>	<i>Claiming priority under International Convention</i>	
1978	5,147	2,770	1,234	4,748
1979	5,111	2,761	1,443	5,273
1980	5,329	2,767	1,393	4,965
1981	6,242	3,294	1,679	5,296
1982	6,233	3,505	1,637	4,450
1983	6,792	3,478	1,862	6,878
1984	7,237	3,990	2,163	6,697
1985	7,395	3,984	2,142	6,546
1986	7,844	4,338	2,311	7,167
1987	8,646 <sup>1</sup>	4,485	2,614	7,140

<sup>1</sup>Includes 115 for designs to be applied to sets of articles (102 in 1986).

\*S.I. 1984, No. 1989.

†S.I. 1986, No. 584.

‡S.I. 1987, No. 287.

## APPENDIX 12

## Applications for Design Registration 1986 and 1987 according to country of residence of applicant

Country	1986	1987
United Kingdom	3,506	4,161
Channel Islands	2	4
Argentina	—	1
Australia	121	103
Austria	25	21
Belgium	33	21
Benelux	—	11
Brazil	—	1
Singei Darussalam	1	—
Canada	61	46
China	6	4
Cyprus	2	—
Czechoslovakia	3	4
Denmark	53	48
Finland	36	16
France	262	255
Germany, Federal Republic	341	418
Greece	6	1
Hong Kong	1,026	921
Iran	1	—
Irish Republic	5	12
Israel	4	15
Italy	137	164
Japan	684	756
Kenya	2	6
Korea, Republic of	11	20
Liberia	1	—
Liechtenstein	20	13
Luxembourg	3	3
Malaysia	18	48
Malta	—	1
Monaco	3	—
Netherlands	128	138
New Zealand	23	20
Norway	16	36
Oman	1	1
Panama	4	5
Poland	1	1
Portugal	1	—
Saudi Arabia	—	1
Singapore	56	38
South Africa	8	9
Spain	71	34
Sweden	200	186
Switzerland	184	201
Taiwan	117	142
Thailand	1	3
Turkey	1	—
United States of America	654	721
USSR	2	—
WIPO	—	33
Yugoslavia	3	3
	<b>7,844</b>	<b>8,646</b>

APPENDIX 13

**Designs fees received 1987**

<i>Description of documents, etc</i>	<i>No.</i>	<i>Amount received £</i>
Applications for registration in respect of:		
a single article not being a checks or stripes textile article or lace . . . . .	8,486	356,412
a set of articles not being checks or stripes textile articles or lace . . . . .	113	9,153
a single lace article or a single checks or stipes textile article . . . . .	45	540
a set of lace or checks and stripes textile articles . . . . .	2	38
Applications for extension of copyright for second period . . . . .	2,374	235,026
Applications for extension of copyright for third period . . . . .	734	107,164
Applications for extensions or enlargements of time for completion of application for registration or for payments of fee for extension of copyright . . . . .	426	12,744
Applications for entry of assignments, etc., for alterations or for corrections of error . . . . .	1,250	7,163
Request for seach under section 23 or rules 46 and 47 . . . . .	274	4,966
Requests for certificates for use in obtaining registration abroad or other special purposes . . . . .	2,127	10,635
Inspection of register or design, supplying office copies of documents and certifying office copies . . . . .		5,455
Other proceedings . . . . .	55	694
<b>Total . . . . .</b>		<b>749,990</b>

**APPENDIX 14**

**Extension of protection, objections etc and cancellations**

**EXTENSION OF DESIGN PROTECTION (SECTION 8(2))**

	<i>Extended for second period</i>	<i>Extended for third period</i>
1978	1,483	815
1979	1,533	792
1980	1,565	712
1981	1,523	684
1982	1,479	650
1983	1,943	622
1984	1,751	672
1985	1,947	722
1986	2,354	732
1987	2,374	734

**OBJECTIONS, HEARINGS AND APPEALS UNDER THE DESIGNS ACTS**

	<i>Objections</i>					<i>Results of hearings</i>				<i>Appeals to Tribunal</i>		
	<i>Pending at beginning of year</i>	<i>Total during year</i>	<i>Appli- cations withdrawn</i>	<i>Allowed to proceed after correspondence</i>		<i>Hearings held</i>	<i>Refused</i>	<i>Allowed to proceed</i>		<i>Dismissed</i>	<i>Allowed</i>	<i>Withdrawn</i>
				<i>By asso- ciation under s. 4</i>	<i>Others</i>			<i>With modifi- cation</i>	<i>Without modifi- cation</i>			
1978	47	180	67	70	34	24	13	6	5	1	2	—
1979	32	265	93	77	41	42	31	9	2	1	—	—
1980	44	216	71	72	39	46	25	16	5	4*	15*	—
1981	32	225	101	67	39	30	20	6	4	—	2	—
1982	20	304	84	105	25	55	30	15	10	—	—	—
1983	55	337	107	173	48	36	11	7	18	1	1	—
1984	28	304	61	202	21	22	9	6	6	—	—	—
1985	27	235	42	167	17	5	—	2	1	2	—	—
1986	33	435	37	197	47	38	3	28	1	—	—	1
1987	154	431	77	168	38	19†	12††	4††	—	—	—	—

\*Eighteen were from a single applicant and concerned with related designs.

†Includes seven hearings adjourned for the submission by applicants of evidence in support of the designs.

††Includes the Final outcome of four hearings adjourned during 1986.

**PROCEEDINGS IN 1987 FOR THE CANCELLATION OF REGISTRATIONS**

Eighteen applications for the cancellation of registrations under section 11(1) were received and implemented.

Fifteen applications by interested persons were made under section 11(2) to be added to the 18 outstanding at the end of 1986. Of the total of 33, nine were withdrawn, two were cancelled under section 11(2) and in three instances of the applications under section 11(2), the proprietors concerned applied for, and obtained the cancellation of their registrations under section 11(1) leaving 19 applications under section 11(2) outstanding.

One application for a compulsory licence filed under section 10 and outstanding at the end of 1986 was abandoned.

## APPENDIX 15

# Trade and Service Marks

(In this and other parts of the report dealing with trade marks, reference by number to sections of the Act are references to the Trade Marks Act 1938 as amended and modified by the Trade Marks (Amendment) Act 1984, and references to rules are references to the Trade Marks and Service Marks Rules, 1986.)

### 1. APPLICATIONS (INCLUDING TEXTILE APPLICATIONS FILED AT THE MANCHESTER BRANCH)

		1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Applications filed during the year	—trade marks	18,150	19,328	20,102	20,881	20,631	22,100	22,796	24,323	25,955	26,572
	—service marks	—	—	—	—	—	—	—	—	13,198	6,827
Examined and searched <sup>1</sup>	—trade marks	15,076	10,679	19,741	18,407	18,702	18,818	25,200	28,960	24,846	20,563
	—service marks	—	—	—	—	—	—	—	—	135	8,572
Pending at end of year <sup>2</sup>	—trade marks	7,146	9,853	10,233	12,688	14,598	17,938	16,704	11,653	13,651	20,131
	—service marks	—	—	—	—	—	—	—	—	13,063	11,114
Advertised during the year	—trade marks	12,525	8,598	9,891	11,941	12,415	13,746	15,749	19,093	17,445	14,586
	service marks	—	—	—	—	—	—	—	—	—	581

<sup>1</sup>In addition 753 applications for the Registrar's preliminary opinion were dealt with during 1987—section 42, rule 20.

<sup>2</sup>Although this is the actual number of applications unexamined at the end of the year (adjusted after a physical count), a large proportion is not ready for examination, eg because of queries concerning the list of goods. Each year a number of applications are withdrawn before examination.

### 2. APPLICATIONS—OBJECTIONS, HEARING AND APPEALS—SECTION 17

		1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
<b>(a) Hearings—Ex parte—</b>											
<i>Rules 33-34</i>											
Number appointed		6,730	7,045	7,553	7,501	6,696	5,962	5,944	6,286	7,346	6,918
Number postponed etc.		252	275	199	137	281	300	233	330	695	413
Number taken		6,478	6,770	7,354	7,364	6,415	5,662	5,711	5,956	6,651	6,505
Applications allowed to proceed:											
—unconditionally		343	588	607	743	574	590	599	623	776	697
—on transfer to part B		857	867	726	766	849	628	822	1,040	1,261	1,171
—conditionally		1,983	1,406	1,688	1,201	829	904	497	381	295	182
Applications suspended pending applicant's agreement to conditions etc.		3,227	3,828	4,215	4,283	3,811	3,196	3,287	3,221	3,616	3,778
Applications withdrawn		20	24	32	72	61	55	85	99	88	99
Applications refused		48	57	86	162	291	289	421	592	615	557
Number not yet taken		744	1,678	1,873	1,897	2,445	1,864	2,157	2,933	3,056	1,448
<b>(b) Refusals—Rule 35</b>											
Written grounds issued		34	32	37	44	85	58	50	30	58	66
<b>(c) Appeals to SOS (Trade)—Rules 129-135</b>											
Pending at beginning of year		2	2	2	—	1	5	4	2	1	6
Lodged during the year		3	2	2	1	6	8	11	4	8	7
Withdrawn		1	—	—	—	1	2	1	—	—	—
Dismissed		2	2	4	—	1	6	10	5	2	3
Allowed		—	—	—	—	—	1	2	—	—	3
Pending at end of year		2	2	—	1	5	4	2	1	6	7
<b>(d) Appeals to the Court—RSC Order 100</b>											
Pending at beginning of year		4	2	1	4	2	5	11	6	3	—
Lodged during the year		1	7	5	2	8	10	9	4	1	13
Withdrawn		1	—	—	1	—	—	6	2	—	3
Dismissed		1	4	1	3	4	4	5 <sup>d</sup>	5 <sup>l</sup>	3	1
Allowed		1	3	1	—	1	—	3	—	1	—
Pending at end of year		2	2	4	2	5	11	6	3	—	9

APPENDIX 15—continued

3. OPPOSITIONS TO REGISTRATION—SECTION 18

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
<b>(a) Oppositions before the Registrar:</b>										
Pending at beginning of year . . . . .	356	379	461	672	649	738	542	425	432	419
Filed during the year . . . . .	162	210	356	294	341	317	302	301	301 <sup>6</sup>	316 <sup>3</sup>
Withdrawn—										
—applications . . . . .	48	52	54	109	85	167	114	72	110	91
—oppositions . . . . .	78	62	77	195	154	329	283	190	177	210
Oppositions refused . . . . .	7	4	4	5	9	12	11	15	7	17
Oppositions allowed . . . . .	6	110	10	6	4	5	11	17	20	29
Pending at end of year . . . . .	379	461	672	649	738	542	425	432	419 <sup>7</sup>	388 <sup>4</sup>
Main Hearings in year . . . . .	12	12	12	12	15	17	22	26	21 <sup>6</sup>	42 <sup>5</sup>
<b>(b) Appeals from Registrar to Court:</b>										
Pending at beginning of year . . . . .	3	—	2	3	2	5	—	4	8	7
Lodged during year . . . . .	5	3	3	3	5	—	7	8	1	3
Withdrawn . . . . .	4	1	1	3	—	2	—	1	—	1
Dismissed . . . . .	3	—	—	1	2	2	3	1	2	2
Allowed . . . . .	1	—	1	—	—	1	—	2	—	1
Pending at end of year . . . . .	—	2	3	2	5	—	4	8	7	7

<sup>3</sup>The number of applications under threatened opposition, *ie* where extensions of time have been obtained under Rules 46 and 114, was 922.

<sup>4</sup>Of which 16 were ready to be heard, and awaiting appointment of hearing.

<sup>5</sup>In addition 45 interlocutory hearings, mainly concerning extensions of time, were held during the year.

4. MAINTENANCE OF THE REGISTER

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
<b>(a) Registrations</b>										
Registered during the year—										
in part A . . . . .	6,750	6,118	4,216	6,262	8,527	7,612	10,324	10,754	11,285	9,288
in part B . . . . .	3,893	3,918	2,492	3,280	4,607	4,313	5,759	5,400	5,804	5,113
Total . . . . .	10,643	10,036	6,708	9,542	13,134	11,925	16,083	16,154	17,089	14,401 <sup>6</sup>
% of registrations made in part B . . . . .	37	39	37	34	35	36	36	33	34	35
<b>(b) Renewals and Restorations</b>										
No. of registrations renewable . . . . .	25,076	25,100	24,819	23,467	24,162	23,394	25,159	22,676	23,767	25,131
No. renewed . . . . .	13,610	14,379	16,154	14,079	13,746	14,996	12,946	14,098	13,810	14,213
No. of lapsed registrations restored—Rule 68—and renewed (not included above) . . . . .	165	178	274	154	143	282	153	282	249	212
<b>(c) Assignments</b>										
No. of forms TM No. 16 lodged . . . . .	1,253	1,411	1,362	1,485	1,648	1,701	1,669	1,525	1,941	2,071
No. dealt with . . . . .	922	1,122	1,208	1,348	1,553	2,066	1,704	1,585	1,622	2,189
No. of registrations assigned <sup>10</sup> . . . . .	2,960	4,259	3,886	4,646	5,259	6,789	6,495	5,702	6,536	9,884
<b>(d) Other changes</b>										
(Name, address, list of goods, voluntary cancellations, etc.)										
No. of applications made . . . . .	1,242	1,232	1,772	2,093	2,113	3,136	2,076	1,731	5,935	4,190
No. of registrations amended <sup>7</sup> . . . . .	6,957	3,900	6,729	10,008	10,874	13,470	7,801	7,035	7,982	25,674
<b>(e) Registrar's Certificates—Rule 122</b>										
No. issued (TM No. 31) . . . . .	9,203	8,662	10,074	10,470	9,380	6,552	5,227	10,246	8,368	10,051

<sup>6</sup>At the end of the year there were 2,666 advertised applications not registered. This does not include those under opposition or those where the opposition period (or extended opposition period) has not expired.

<sup>7</sup>A single assignment may affect many registrations, whether or not governed by section 23.

APPENDIX 15—continued

5. RECTIFICATIONS—SECTIONS 26 AND 32

	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
<i>(a)</i>										
<b>Applications made to Registrar:<sup>8</sup></b>										
Pending at beginning of year . . . . .	200	256	362	358	333	368	400	363	442	524
Filed in year . . . . .	150	202	167	175	204	185	198	273	320	281
Withdrawn . . . . .	81	82	163	161	154	150	207	172	213	320
Refused . . . . .	1	3	—	1	—	2	3	2	1	2
Allowed . . . . .	12	11	8	38	15	3	25	20	24	32
Pending at end of year . . . . .	256	362	358	333	368	400	363	442	524	451 <sup>9</sup>
Main Hearings held in year <sup>10</sup> . . . . .	5	8	4	6	—	5	6	7	10	6
<i>(b) Appeals from Registrar to Court:</i>										
Pending at beginning of year . . . . .	5	3	—	1	2	4	2	3	1	2
Lodged in year . . . . .	3	—	1	2	4	—	1	—	3	1
Withdrawn . . . . .	4	3	—	—	—	2	—	2	2	—
Dismissed . . . . .	1	—	—	1	2	—	—	—	—	—
Allowed . . . . .	—	—	—	—	—	—	—	—	—	—
Pending at end of year . . . . .	3	—	1	2	4	2	3	1	2	3
<i>(c) Applications made direct to Court:<sup>11</sup></i>										
Pending at beginning of year . . . . .	9	12	15	35	35	38	24	16	13	22
Lodged in year <sup>11</sup> . . . . .	9	4	21	8	12	5	3	9	19	8
Withdrawn . . . . .	6	1	1	6	—	17	5	8	3	—
Dismissed . . . . .	—	—	—	1	9	2	4	1	4	—
Allowed . . . . .	—	—	—	1	—	—	2	3	3	—
Pending at end of year . . . . .	12	15	35	35	38	24	16	13	22	30

<sup>8</sup>Most actions for rectification may be begun either in the Registry or the High Court at the option of the applicant. No cases were referred to the Court by the Registrar under section 54(b) during the year.

<sup>9</sup>Of which 26 were ready to be heard.

<sup>10</sup>Undefended rectifications are usually determined without a hearing.

<sup>11</sup>The majority of these are counterclaims by way of defence.

## APPENDIX 16

## Trade and Service marks applied for and registered in 1986 and 1987 according to country of residence of applicant

Country	1986				1987			
	Applications		Registrations		Applications		Registrations	
	Trade Marks	Service Marks	Trade Marks	Service Marks	Trade Marks	Service Marks	Trade Marks	Service Marks
United Kingdom . . . . .	14,359	9,796	8,463	—	14,059	4,686	7,070	106
Channel Islands . . . . .	73	38	32	—	46	33	11	—
Andorra . . . . .	9	—	—	—	—	—	—	—
Australia . . . . .	283	69	94	—	266	47	97	1
Austria . . . . .	82	25	45	—	100	12	39	—
Bahamas . . . . .	12	—	2	—	6	—	3	—
Barbados . . . . .	11	—	3	—	3	3	4	—
Belgium . . . . .	138	12	128	—	215	21	139	—
Bermuda . . . . .	9	11	8	—	10	12	2	—
Bulgaria . . . . .	—	—	1	—	—	—	—	—
Canada . . . . .	132	70	129	—	200	90	87	—
Caribbean . . . . .	16	4	15	—	46	12	23	—
Cayman Islands . . . . .	—	—	4	—	6	—	—	—
Central America . . . . .	53	9	39	—	17	9	21	—
China (People's Republic) . . . . .	58	—	19	—	35	3	21	—
Cyprus . . . . .	8	—	11	—	8	—	1	—
Czechoslovakia . . . . .	10	1	7	—	7	—	10	—
Denmark . . . . .	226	55	160	—	216	44	140	—
Finland . . . . .	77	11	88	—	132	13	71	—
France . . . . .	1,533	502	1,151	—	1,732	406	923	3
Germany, Democratic Republic . . . . .	23	—	17	—	5	5	20	—
Germany, Federal Republic . . . . .	1,557	301	1,319	—	1,570	155	1,114	8
Gibraltar . . . . .	1	—	4	—	2	—	—	—
Greece . . . . .	30	—	15	—	23	—	10	—
Hong Kong . . . . .	105	27	51	—	99	18	60	—
Hungary . . . . .	18	2	12	—	15	—	11	—
Iceland . . . . .	8	—	4	—	5	—	—	—
India . . . . .	16	2	—	—	11	—	9	—
Irish Republic . . . . .	110	27	63	—	139	11	48	—
Israel . . . . .	23	2	13	—	26	1	10	—
Italy . . . . .	725	89	471	—	922	69	366	—
Japan . . . . .	628	113	614	—	645	27	461	1
Kenya . . . . .	—	—	—	—	2	—	—	—
Lebanon . . . . .	5	—	2	—	5	—	3	—
Liechtenstein . . . . .	—	4	16	—	38	1	11	—
Luxembourg . . . . .	11	5	18	—	8	9	9	—
Malaysia . . . . .	3	—	3	—	16	7	2	—
Malta . . . . .	6	—	4	—	1	—	—	—
Monaco . . . . .	6	2	6	—	5	—	7	—
Netherlands . . . . .	570	77	349	—	462	101	353	—
New Zealand . . . . .	66	32	27	—	72	16	47	—
Norway . . . . .	76	48	45	—	46	7	44	—
Others (Africa) . . . . .	6	—	8	—	7	1	3	—
Others (Asia) . . . . .	143	8	83	—	187	6	53	1
Poland . . . . .	3	—	—	—	1	—	—	—
Portugal . . . . .	17	3	32	—	27	8	17	—
Romania . . . . .	1	—	—	—	3	—	1	—
Singapore . . . . .	35	12	21	—	40	4	24	—
South Africa . . . . .	48	6	43	—	48	20	30	—
South America . . . . .	34	5	17	—	44	6	17	—
Spain . . . . .	413	35	179	—	361	64	209	—
Sweden . . . . .	401	83	277	—	376	77	257	—
Switzerland . . . . .	639	173	515	—	628	78	410	3
United States of America . . . . .	3,115	1,533	2,432	—	3,597	737	1,984	11
USSR . . . . .	20	6	24	—	22	8	8	—
Yugoslavia . . . . .	4	—	6	—	10	—	7	—
	25,955	13,198	17,089	—	26,572	6,827	14,267	134



APPENDIX 17

**Classification of trade and service marks 1986 and 1987**

**TRADE MARKS ADVERTISED AND REGISTERED**

Class	Classification of Goods	1986		1987	
		Advertised	Registered	Advertised	Registered
1	Chemical products used in industry, science, etc . . . . .	676	683	584	599
2	Paints, varnishes, lacquers, etc . . . . .	223	261	162	182
3	Cleaning preparations, soaps, perfumery, etc . . . . .	810	867	635	675
4	Industrial oils and greases, candles, tapers, etc . . . . .	117	152	104	92
5	Pharmaceutical, veterinary and sanitary substances, infants' and invalids' foods etc . . . . .	1,303	1,365	1,078	1,078
6	Unwrought and partly wrought common metals, etc . . . . .	533	556	424	425
7	Machines and machine tools, motors (except for vehicles), etc . . . . .	764	853	631	615
8	Hand tools and instruments; cutlery, forks and spoons; side arms . . . . .	166	173	140	150
9	Scientific, nautical and surveying and electrical apparatus and instruments (including wireless, etc) . . . . .	2,339	2,227	2,024	1,905
10	Surgical, medical, dental and veterinary instruments and apparatus . . . . .	467	391	326	354
11	Installations for lighting, heating, cooking, etc . . . . .	656	643	532	528
12	Vehicles; apparatus for locomotion by land, air or water . . . . .	478	517	372	359
13	Firearms; ammunition, etc . . . . .	46	43	26	32
14	Precious metals and their alloys, etc . . . . .	207	166	172	184
15	Musical instruments (other than talking machines and wireless apparatus) . . . . .	32	46	35	29
16	Paper and paper articles, stationery, office requisities, etc . . . . .	1,197	1,105	1,199	1,018
17	Gutta-percha, india-rubber, etc . . . . .	323	358	234	266
18	Leather, skins, umbrellas, harness, etc . . . . .	302	257	231	208
19	Building materials, road-making materials, etc . . . . .	418	430	339	343
20	Furniture, articles of wood, cork, etc . . . . .	445	449	321	323
21	Small domestic utensils and containers (not precious metal), glassware, etc . . . . .	354	349	273	289
22	Rope, string, nets, tents, raw fibrous textile materials, etc . . . . .	92	88	85	69
23	Yarns; threads . . . . .	97	84	55	54
24	Tissues (piece goods), bed and table covers etc . . . . .	329	284	232	254
25	Clothing, including boots, shoes and slippers . . . . .	1,286	1,179	1,024	958
26	Lace and embroidery, ribbon and braids, artificial flowers, etc . . . . .	91	97	64	58
27	Carpets, rugs, etc . . . . .	125	141	91	69
28	Games, etc . . . . .	642	585	533	493
29	Meat, fish, poultry and game; meat extracts, etc . . . . .	683	622	620	626
30	Coffee, tea, cocoa, sugar, rice, etc . . . . .	845	825	800	794
31	Agricultural, horticultural and forestry products, fresh fruits, etc . . . . .	258	261	232	234
32	Beer, ale and porter, mineral and aerated waters, etc . . . . .	441	358	376	403
33	Wines, spirits and liquors . . . . .	520	481	502	439
34	Tobacco, raw or manufactured; smokers' articles, matches . . . . .	180	193	130	162
		17,445	17,089	14,586	14,267

**SERVICE MARK APPLICATIONS**

Class	Classification of Services	1987	
		Advertised	Registered
35	Advertising and business . . . . .	135	35
36	Insurance and financial . . . . .	116	16
37	Construction and repair . . . . .	120	20
38	Communication . . . . .	32	13
39	Transportation and storage . . . . .	46	14
40	Processing and material treatment . . . . .	26	19
41	Education and entertainment . . . . .	18	1
42	Miscellaneous . . . . .	88	16
		581	134

APPENDIX 18

Trade and Service marks fees received 1987

<i>Description of documents, etc</i>	<i>No.</i>	<i>Amount received £</i>
Application for registration under sections 17,27 and 37 . . . . .	33,973	1,995,025
Amendment fees etc . . . . .	351	4,502
Opposition, appeals, etc . . . . .	817	24,122
Registrations, including associations . . . . .	14,463	1,183,362
Renewals, including restorations . . . . .	16,361	3,217,254
Applications for registration of subsequent proprietor . . . . .	2,338	74,658
Requests for Registrar's preliminary advice, public search fees . . . . .		56,068
Certificates, office copies, etc . . . . .	11,166	100,494
Applications for registration of registered users, etc . . . . .	2,929	151,422
Rectification and correction of the Register . . . . .	2,481	33,255
Sub-Total . . . . .	84,879	£6,840,162
<i>Add:</i>		
Fees (not included above) received by the Cutlers' Company, Sheffield, during the year ended 30 June 1986 on proceedings under section 38 of the Trade Marks Act . . . . .		9,789
		£6,849,951
<i>Deduct:</i>		
Fees allowed to the Cutler's Company . . . . .	4,894.50	
Total . . . . .		6,845,056.50
Fees certified for refund during 1986 (not included in amounts received above) . . . . .	79,479	



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