

Search Strategy: Quantum Technologies

Database searched

Search conducted on 28 July 2014 using Thomson Innovation.

Major CPC subgroups searched

Quantum Telecommunications Technologies

H04L9/0852*	Arrangements for secret or secure communication > Key distribution > Key establishment > Quantum Cryptography
H04L9#	Cryptographic mechanisms or cryptographic arrangements for secret or secure communication
H04B10/70	Photonic Quantum Communication
H04K1#	Secret Communication; Jamming of Communication

Quantum Computation Technologies

G06N99/022	Quantum Computers
G06N*#	Computer Systems based on specific computational models
B82Y10/00#	Nanotechnology for information processing, storage or transmission
G06F#	Electrical Digital Data Processing
G02F#	Devices or arrangements, the optical operation of which is modified by changing the optical properties of the medium of the devices or arrangements for the control of the intensity, colour, phase, polarisation or direction of light
H01L#	Semiconductor devices; electric solid state devices not otherwise provided for
H03K#	Basic Electronic Circuitry > Pulse Technique
G06F17/50#	Electrical Digital Data Processing > Digital computing or data processing equipment or methods > Computer aided design

Quantum Sensor Technologies

G01*#	Measuring; Testing
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Quantum Timing and Atomic Clock Technologies

G04F*#	Time Interval Measuring
H03H*#	Impedance Networks
H03B*#	Generation of Oscillations, directly or by frequency changing, by circuits employing active elements which operate in a non switching manner; Generation of noise by such circuits

* Subsidiary subgroups also included

Combined with selected keywords

Search undertaken using CPC version 2014.02

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Combined with selected keywords

Search undertaken using IPC version 2014.01

Example words searched

Quantum Telecommunication Technologies

Quantum Secure Communication, Quantum Key Distribution, Quantum Cryptography, Entangle, QKD, Quantum

Quantum Computing Technologies

Quantum Networks, Quantum Processors, Quantum Annealing, Quantum, Computer, Data, Process

Quantum Sensor Technologies

Quantum, Entangle, Superposition, Coherence, Teleport, Broglie, Wave, Gyroscope, Gravity, Magnetic, Magnetometer, Polarisation, Device

Quantum Timing and Atomic Clock Technologies

Quantum Clock, Quantum Time, Quantum, Atomic, Clock, Time

Date limitations applied

Publication years 2004-2013 inclusive.

Notes

Classification schemes change regularly. The terms listed above were correct at the time of searching.

A limited selection of example keywords is listed above but other relevant synonyms were also used. The actual search performed has taken account of differences in wording, for example due to the use of plural form or American/British spellings.

Additional manual cleaning of the extracted data was performed as appropriate.