

Search Strategy: Robotics and autonomous systems

Database searched

Search conducted on 2 June 2014 using Thomson Innovation.

Major CPC subgroups searched

B25J9/16*	programme control for manipulators
B25J9/0003	Home robots, i.e. small robots for domestic use
B25J11/0005	Manipulators having means for high-level communication with users, e.g. speech generator, face recognition means
B25J11/0015	Face robots, animated artificial faces for imitating human expressions
B60W30/00*	Purposes of road vehicle drive control systems not related to the control of a particular sub-unit, e.g. of systems using conjoint control of vehicle sub-units
Y10S901/00*	Robots
G05D1/0088	Control of position, course or altitude of land, water, air, or space vehicles, e.g. automatic pilot - characterized by the autonomous decision making process, e.g. artificial intelligence, predefined behaviours
G05D1/02*	Control of position, course or altitude of land, water, air, or space vehicles, e.g. automatic pilot - Control of position or course in two dimensions
G05D2201/0207	Unmanned vehicle for inspecting or visiting an area
G05D2201/0212	Driverless passenger transport vehicle

*Subsidiary subgroups also included

Search undertaken using CPC version 2014.02

Major IPC subgroups searched

B25J9/16*	programme control for manipulators
B60W30/00*	Purposes of road vehicle drive control systems not related to the control of a particular sub-unit, e.g. of systems using conjoint control of vehicle sub-units
G05D1/02*	Control of position, course or altitude of land, water, air, or space vehicles, e.g. automatic pilot - Control of position or course in two dimensions

*Subsidiary subgroups also included

Search undertaken using IPC version 2014.01

Example words searched

(self –driving, driverless, autonomous, automated, unmanned) *in proximity to* (car, motorcar, vehicle, automobile, aircraft, airplane, aeroplane, submarine, marine).

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.