Title (en)

STAND-ALONE MINIATURISED COMMUNICATION MODULE

Title (de)

AUTARKES MINIATURISIERTES KOMMUNIKATIONSMODUL

Title (fr)

MODULE DE COMMUNICATION MINIATURISE AUTONOME

Publication

EP 1920631 A1 20080514 (DE)

Application

EP 06793159 A 20060901

Priority

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- DE 102005056330 A 20051125
- DE 102006013732 A 20060324

Abstract (en)

[origin: WO2007026026A1] A stand-alone sensor module and method for operation and production thereof are disclosed, the sensor module being a sensor, a transceiver unit, a signal processing unit and a power supply, such that a stand-alone operation of the module is possible. A matching of the form and size of the sensor module may be achieved with a suitable production method such that on integration or application of the module to a selected measured object essentially no disturbance of the function of the object occurs. By means of preparation of several sensor modules within a system a self-organizing network can be established, whereby data can be exchanged between the same and with external units.

IPC 8 full level

G08C 17/00 (2006.01); **H04Q 9/00** (2006.01)

CPC (source: EP KR US)

G08C 17/00 (2013.01 - EP US); **H04B 1/04** (2013.01 - KR); **H04B 1/40** (2013.01 - KR); **H04Q 9/00** (2013.01 - EP US)

Citation (search report)

See references of WO 2007026026A1

Citation (examination)

- EP 1376955 A1 20040102 - CANON KK [JP]
- I.F. AKYILDIZ, W. SU, Y. SANKARASUBRAMANIAM, E. CAYIRCI: "Wireless sensor networks: a survey", COMPUTER NETWORKS, no. 38, 2002, pages 393 - 422
- WARNEKE B: "SMART DUST: COMMUNICATING WITH A CUBIC-MILLIMETER COMPUTER", COMPUTER, IEEE SERVICE CENTER, LOS ALAMITOS, CA, US, vol. 34, no. 1, 1 January 2001 (2001-01-01), pages 44 - 51, XP001011636, ISSN: 0018-9162, DOI: 10.1109/2.963443

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DOCDB simple family (application)

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