

Title (en)

MICROWAVE ANTENNA FOR THE WIRELESS NETWORKING OF DEVICES IN AUTOMATION TECHNOLOGY

Title (de)

MIKROWELLENANTENNE ZUR DRAHTLOSEN VERNETZUNG VON GERÄTEN DER AUTOMATISIERUNGSTECHNIK

Title (fr)

ANTENNE À MICRO-ONDES POUR LA MISE EN RÉSEAU SANS FIL D'APPAREILS UTILISÉS EN AUTOMATISATION

Publication

EP 2215687 A1 20100811 (DE)

Application

EP 08855130 A 20081115

Priority

- EP 2008009688 W 20081115
- DE 102007058257 A 20071126

Abstract (en)

[origin: WO2009068197A1] The invention relates to a microwave antenna for the wireless networking of devices in automation technology, comprising a first printed circuit board (48), on which a first conductor loop (52) is arranged as a conductor track. A second printed circuit board (50) with a second conductor loop (64) in the form of a conductor track is arranged transversely to the first printed circuit board (48) and is fastened thereon. The conductor loops (52, 64) are connected to a common feeder connection (94). A phasing line (110) connects an end each of the first and second conductor loops (52, 64).

IPC 8 full level

H01Q 1/38 (2006.01); **H01Q 9/26** (2006.01); **H01Q 21/24** (2006.01)

CPC (source: EP US)

H01Q 1/38 (2013.01 - EP US); **H01Q 9/26** (2013.01 - EP US); **H01Q 21/24** (2013.01 - EP US)

Citation (search report)

See references of WO 2009068197A1

Citation (examination)

- DAVE HOUSTON: "Google Groups", 21 March 2005 (2005-03-21), XP055205463, Retrieved from the Internet <URL:https://groups.google.com/forum/#!original/comp.home.automation/zZDdx8p5OMY/Ur3rNDQuICkJ> [retrieved on 20150730]
- ANONYMOUS: "X10 (industry standard) - Wikipedia, the free encyclopedia", 30 July 2015 (2015-07-30), XP055205492, Retrieved from the Internet <URL:https://en.wikipedia.org/wiki/X10_(industry_standard)> [retrieved on 20150730]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007058257 A1 20090528; EP 2215687 A1 20100811; US 2011043432 A1 20110224; US 8232929 B2 20120731; WO 2009068197 A1 20090604

DOCDB simple family (application)

DE 102007058257 A 20071126; EP 08855130 A 20081115; EP 2008009688 W 20081115; US 78680110 A 20100525