

Title (en)
Multi-layer-multi-turn structure for high efficiency wireless communication

Title (de)
Mehrlagige Mehrfachwindungsstruktur für leistungsstarke drahtlose Kommunikation

Title (fr)
Structure multicouche-multitours pour communication sans fil à haute efficacité

Publication
EP 2775564 A1 20140910 (EN)

Application
EP 13001121 A 20130306

Priority
EP 13001121 A 20130306

Abstract (en)
A structure for wireless communication having a plurality of conductor layers, an insulator layer separating each of the conductor layers, and at least one connector connecting two of the conductor layers wherein an electrical resistance is reduced when an electrical signal is induced in the resonator at a predetermined frequency.

IPC 8 full level
H01Q 1/36 (2006.01); **H01Q 1/38** (2006.01); **H01Q 7/00** (2006.01)

CPC (source: EP)
H01Q 1/364 (2013.01); **H01Q 1/38** (2013.01); **H01Q 7/00** (2013.01)

Citation (search report)
• [X] US 2012280765 A1 20121108 - KURS ANDRE B [US], et al
• [X] US 2009085706 A1 20090402 - BAARMAN DAVID W [US], et al
• [X] US 2006192645 A1 20060831 - LEE JAE-SUP [KR], et al

Cited by
US2017054213A1; CN105262241A; DE102016110010A1; EP2779181A3; GB2531740A; CN112600311A; US10636563B2; US11205848B2; US11205849B2; US11955809B2; US10985465B2; US11316271B2; US11670856B2; US11335999B2; US11336003B2; US11476566B2; US11916400B2; US10658847B2; US11025070B2; US11196266B2; US11469598B2; US11769629B2; US10432031B2; US10432032B2; US10432033B2; US10868444B2; US11418063B2; US11764614B2; US10903688B2; US10958105B2; US11177695B2; US11223235B2; US11223234B2; US11264837B2; US11431200B2; US11502547B2; US11705760B2; US10879705B2; US10879704B2; US10886751B2; US10897140B2; US10903660B2; US10916950B2; US10931118B2; US10938220B2; US11011915B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2775564 A1 20140910

DOCDB simple family (application)
EP 13001121 A 20130306