

Title (en)

DEVICE FOR TRANSMITTING SIGNALS BY INDUCTION BETWEEN A TRANSPONDER CIRCUIT AND AN INTERROGATION CIRCUIT

Title (de)

VORRICHTUNG ZUR INDUKTIVEN SIGNALÜBERTRAGUNG ZWISCHEN EINER TRANSPONDERSCHALTUNG UND EINER ABFRAGESCHALTUNG

Title (fr)

DISPOSITIF DE TRANSMISSION DE SIGNAUX PAR INDUCTION ENTRE UN CIRCUIT TRANSPONDEUR ET UN CIRCUIT D'INTERROGATION

Publication

EP 1608519 A1 20051228 (FR)

Application

EP 04716214 A 20040302

Priority

- EP 2004002057 W 20040302
- EP 03004618 A 20030303
- EP 04716214 A 20040302

Abstract (en)

[origin: EP1454769A1] The device has a transponder circuit (1) with a coil, placed on an object turned around an axis of rotation passing through the object. An interrogation circuit (3) has another coil and is placed on a structure to which the object is linked. A cross coupling coil (2) with one turn is mounted on the structure/object coaxially to the axis. The coupling coil serves as an interface of inductive coupling between the two coils.

IPC 1-7

B60C 23/04; **H04B 5/02**

IPC 8 full level

B60C 23/04 (2006.01); **H04B 5/02** (2006.01)

CPC (source: EP US)

B60C 23/0413 (2013.01 - EP US); **B60C 23/0425** (2013.01 - EP US); **B60C 23/043** (2013.01 - EP US); **B60C 23/0433** (2013.01 - EP US); **H04B 5/48** (2024.01 - EP US); **H04B 5/77** (2024.01 - EP US)

Citation (search report)

See references of WO 2004078495A1

Citation (examination)

US 5969239 A 19991019 - TROMEUR XAVIER [FR], et al

Designated contracting state (EPC)

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DOCDB simple family (publication)

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