

Title (en)
COUPLING DEVICE

Title (de)
KOPPELEINRICHTUNG

Title (fr)
DISPOSITIF DE COUPLAGE

Publication
EP 2201584 B2 20200722 (DE)

Application
EP 08801758 A 20080829

Priority
• EP 2008007079 W 20080829
• DE 102007042659 A 20070910

Abstract (en)
[origin: WO2009033573A1] The invention relates to a rotary transmitter, wherein inductive coupling elements which transmit energy in a contactless manner, and also capacitive coupling elements for transmitting data in a contactless manner, are concentrically constructed with the rotational axis of the rotary transmitter, and wherein a magnetic shielding is arranged between inductive coupling elements and capacitive coupling elements.

IPC 8 full level
H01F 38/18 (2006.01); **H01F 27/34** (2006.01); **H01F 38/14** (2006.01)

CPC (source: EP)
H01F 27/34 (2013.01); **H01F 38/18** (2013.01); **H01F 2027/348** (2013.01); **H01F 2038/146** (2013.01)

Citation (opposition)
Opponent :
• CA 2071681 A1 19921223 - KOLBENSCHMIDT AG [DE]
• US 5814900 A 19980929 - ESSER ALBERT [US], et al
• US 4674814 A 19870623 - HOSHINO TERUAKI [JP], et al
• JP 2002198238 A 20020712 - YAZAKI CORP
• EP 1241058 A2 20020918 - TAMAGAWA SEIKI CO LTD [JP], et al
• CA 2673298 A1 20080703 - ANALOGIC CORP [US]
• US 7425096 B2 20080916 - BEYERLEIN WALTER [DE], et al
• EP 1337001 A1 20030820 - SCHLEIFRING UND APPBAU GMBH [DE]

Cited by
US2019293167A1; DE102018107150A1; US10975950B2; WO2024003898A1

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

DOCDB simple family (publication)
WO 2009033573 A1 20090319; DE 102007042659 A1 20090326; DE 102007042659 B4 20120913; DE 102007042659 C5 20160121;
EP 2201584 A1 20100630; EP 2201584 B1 20170726; EP 2201584 B2 20200722

DOCDB simple family (application)
EP 2008007079 W 20080829; DE 102007042659 A 20070910; EP 08801758 A 20080829