

Title (en)
PERMANENT MAGNET COUPLING

Title (de)
PERMANENTMAGNETKUPPLUNG

Title (fr)
EMBRAYAGE À AIMANT PERMANENT

Publication
EP 2526612 A2 20121128 (DE)

Application
EP 11701488 A 20110119

Priority

- DE 202010001180 U 20100119
- EP 2011050639 W 20110119

Abstract (en)
[origin: WO2011089131A2] The invention relates to a permanent magnet coupling for synchronously transmitting rotary motions, having a first rotor (1a) and a second rotor (1b), each covered by permanent magnets (2a, 2b) and forming an inner rotor and an outer rotor, wherein permanent magnets (2a, 2b) of the first rotor (1a) and the second rotor (1b) associated with each other extend over the same angle range in the circumferential direction. According to the invention, unfilled intermediate spaces (5) are formed on the first rotor (1a), starting from complete coverage by permanent magnets (2a) in the circumferential direction, by leaving out a portion of the permanent magnets (2a), wherein the first rotor (1a) and the second rotor (1b) comprise a different number of permanent magnets (2a, 2b).

IPC 8 full level
H02K 49/10 (2006.01)

CPC (source: EP US)
H02K 49/106 (2013.01 - EP US)

Citation (search report)
See references of WO 2011089131A2

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

DOCDB simple family (publication)
DE 202010001180 U1 20100506; BR 112012017659 A2 20160419; CN 102714455 A 20121003; CN 102714455 B 20151014; EP 2526612 A2 20121128; JP 2013517435 A 20130516; JP 6007107 B2 20161012; US 2012280586 A1 20121108; WO 2011089131 A2 20110728; WO 2011089131 A3 20120126

DOCDB simple family (application)
DE 202010001180 U 20100119; BR 112012017659 A 20110119; CN 201180006453 A 20110119; EP 11701488 A 20110119; EP 2011050639 W 20110119; JP 2012549339 A 20110119; US 201113520637 A 20110119