

Title (en)  
DEVICE FOR CONTROLLING A ROTATING ELECTRICAL MACHINE

Title (de)  
VORRICHTUNG ZUR STEUERUNG EINER ELEKTRISCHEN ROTATIONSMASCHINE

Title (fr)  
DISPOSITIF DE COMMANDE D'UNE MACHINE ELECTRIQUE TOURNANTE

Publication  
**EP 1776593 A2 20070425 (FR)**

Application  
**EP 05779717 A 20050630**

Priority  
• FR 2005001663 W 20050630  
• FR 0407262 A 20040630

Abstract (en)  
[origin: WO2006010864A2] The invention concerns a device for determining the position (?t) of the rotor (4) of a rotating electrical machine. The invention is characterized in that said device comprises a plurality of magnetic field sensors (52u, 52v, 52w) stationary relative to the stator (8) and adapted to deliver multiphase electric signals (s<SUB>u</SUB>, s<SUB>v</SUB>, s<SUB>w</SUB>) representing a magnetic field detected by said sensors, and means for processing (MC) said multiphase electric signals by an operator ([M]) capable of providing diphasic signals (sin?(t), cos?(t)) depending on said position. The invention is applicable to rotating electrical machines used in the automotive industry.

IPC 8 full level  
**G01P 3/487** (2006.01)

CPC (source: EP KR US)  
**G01D 5/24409** (2013.01 - EP US); **G01D 5/2451** (2013.01 - EP US); **G01P 3/487** (2013.01 - KR); **H02K 29/06** (2013.01 - KR); **H02K 29/08** (2013.01 - EP US); **H02P 6/16** (2013.01 - KR)

Citation (search report)  
See references of WO 2006010864A2

Citation (examination)  
US 2004080290 A1 20040429 - HILL BRYAN H [US], et al

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**FR 2872644 A1 20060106; FR 2872644 B1 20061006**; BR PI0512289 A 20080325; CA 2566909 A1 20060202; CN 101076733 A 20071121; CN 101076733 B 20101110; EP 1776593 A2 20070425; JP 2008504799 A 20080214; KR 20070047250 A 20070504; MX PA06014538 A 20070323; RU 2007103362 A 20080810; US 2008309266 A1 20081218; US 7944168 B2 20110517; WO 2006010864 A2 20060202; WO 2006010864 A3 20060803

DOCDB simple family (application)  
**FR 0407262 A 20040630**; BR PI0512289 A 20050630; CA 2566909 A 20050630; CN 200580021384 A 20050630; EP 05779717 A 20050630; FR 2005001663 W 20050630; JP 2007518646 A 20050630; KR 20067027748 A 20061228; MX PA06014538 A 20050630; RU 2007103362 A 20050630; US 57093005 A 20050630