

Title (en)

METHOD FOR DETERMINING A SPEED SIGNAL OF AN ELECTRIC MACHINE

Title (de)

VERFAHREN ZUR BESTIMMUNG EINES DREHZAHLSIGNALS EINER ELEKTRISCHEN MASCHINE

Title (fr)

PROCEDE DE DETERMINATION D'UN SIGNAL DE VITESSE DE ROTATION POUR UNE MACHINE ELECTRIQUE

Publication

**EP 1971766 A2 20080924 (DE)**

Application

**EP 06827961 A 20061221**

Priority

- AT 2006000533 W 20061221
- AT 362006 A 20060110
- AT 8622006 A 20060518
- AT 8632006 A 20060518

Abstract (en)

[origin: WO2007079511A2] The invention relates to a method for determining a speed signal (8) of an electric machine (1) which is mechanically connected to an internal combustion engine (2). The speed signal (8) is determined by means of an incremental speed sensor (4) and the speed is determined from the time measured when the speed sensor passes over a reference angle (a) of a rotating part, the reference angle being preferably defined by at least two flanks of a gearwheel (5). In order to avoid oscillating torques, the reference angle (a) is modified depending on at least one operating or engine parameter.

IPC 8 full level

**F02D 41/34** (2006.01); **G01P 3/481** (2006.01); **G01P 3/489** (2006.01)

CPC (source: EP)

**F02D 41/0097** (2013.01); **G01P 3/489** (2013.01)

Citation (search report)

See references of WO 2007079511A2

Citation (examination)

US 2002120423 A1 20020829 - HIRAKATA YOSHIAKI [JP], 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 LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007079511 A2 20070719; WO 2007079511 A3 20071025**; EP 1971766 A2 20080924

DOCDB simple family (application)

**AT 2006000533 W 20061221**; EP 06827961 A 20061221