

Title (en)
Pump control method

Title (de)
Verfahren zur Regelung einer Pumpe

Title (fr)
Procédé de contrôle d'une pompe

Publication
EP 1710441 A3 20100526 (DE)

Application
EP 06005255 A 20060315

Priority
DE 102005013773 A 20050322

Abstract (en)
[origin: EP1710441A2] The method involves using a regulator unit (6) for detecting and estimating the rotor phase position and rotor speed of a PMSM (permanent multi-phase synchronous motor) (3) and for determining fluctuations in the estimated rotor speed for pump operation. The pumping or foam or air is controlled based on the estimated rotor phase position and rotor speed.

IPC 8 full level
F04D 15/00 (2006.01); **A47L 15/42** (2006.01)

CPC (source: EP US)
F04D 15/0066 (2013.01 - EP US); **F04D 15/0209** (2013.01 - EP US); **F04D 15/0236** (2013.01 - EP US)

Citation (search report)

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- [Y] EP 1284540 A2 20030219 - DIEHL AKO STIFTUNG GMBH & CO [DE]
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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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1710441 A2 20061011; EP 1710441 A3 20100526; DE 102005013773 A1 20060928; US 2006245931 A1 20061102;
US 7595603 B2 20090929

DOCDB simple family (application)
EP 06005255 A 20060315; DE 102005013773 A 20050322; US 38626106 A 20060322