

Title (en)
CONTROL SYSTEM FOR A PUMP

Title (de)
STEUERUNGSSYSTEM FÜR EINE PUMPE

Title (fr)
SYSTEME DE COMMANDE DE POMPE

Publication
EP 1893874 A1 20080305 (EN)

Application
EP 06747903 A 20060615

Priority
• SE 2006000710 W 20060615
• EP 2005052878 W 20050621
• EP 06747903 A 20060615

Abstract (en)
[origin: WO2006136202A1] The present invention relates to variable frequency drive pumps and methods for operating such pumps. The inventive method for operating a pump (1) having an inlet and an outlet, which pump (1) comprises variable frequency drive means (2) adapted to drive a motor (9) of said pump (1), comprises the steps of obtaining (50; 64; 84) operating parameters of said pump (1) substantially continuously, said operating parameters indicating pump conditions; and controlling (52; 66; 86) said variable frequency drive means (2) based on said obtained operating parameters, wherein the operation of said motor (9) is adjusted to said pump conditions. Furthermore, a pump, a computer program product loadable into a memory of a digital computer device, including software code portions for performing the inventive method, a control device (11) for a pump and a pump system are described.

IPC 8 full level
F04D 15/00 (2006.01); **F04B 49/06** (2006.01); **F04D 15/02** (2006.01)

CPC (source: EP KR US)
F04B 49/06 (2013.01 - KR); **F04D 15/00** (2013.01 - KR); **F04D 15/0066** (2013.01 - EP US); **F04D 15/0077** (2013.01 - EP US);
F04D 15/02 (2013.01 - KR); **F04D 15/0218** (2013.01 - EP US)

Citation (search report)
See references of WO 200613777A1

Cited by
CN101818738A; US11255333B2

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)
WO 2006136202 A1 20061228; AP 2007004184 A0 20071031; AP 2193 A 20110107; AR 054792 A1 20070718; AU 2006259944 A1 20061228; AU 2006259944 B2 20111124; BR PI0612493 A2 20120103; CA 2606556 A1 20061228; CA 2606556 C 20131119; CN 101203678 A 20080618; CN 101203678 B 20101215; DK 1893874 T3 20180702; EA 011044 B1 20081230; EA 200800095 A1 20080428; EP 1893874 A1 20080305; EP 1893874 B1 20180502; IL 186295 A0 20080120; IL 186295 A 20110228; JP 2009510299 A 20090312; JP 5017665 B2 20120905; KR 101284821 B1 20130710; KR 20080015403 A 20080219; MX 2007014262 A 20080122; MY 148008 A 20130228; NO 20080379 L 20080319; NZ 562227 A 20110429; US 2010034665 A1 20100211; WO 200613777 A1 20061228; ZA 200709008 B 20090930

DOCDB simple family (application)
EP 2005052878 W 20050621; AP 2007004184 A 20060615; AR P060102667 A 20060621; AU 2006259944 A 20060615; BR PI0612493 A 20060615; CA 2606556 A 20060615; CN 200680022278 A 20060615; DK 06747903 T 20060615; EA 200800095 A 20060615; EP 06747903 A 20060615; IL 18629507 A 20070925; JP 2008518076 A 20060615; KR 20077026145 A 20060615; MX 2007014262 A 20060615; MY PI20062918 A 20060620; NO 20080379 A 20080121; NZ 56222706 A 20060615; SE 2006000710 W 20060615; US 99378706 A 20060615; ZA 200709008 A 20060615