

Title (en)
DEVICE FOR CONVEYING FLOWABLE MATERIALS, IN PARTICULAR LUBRICANTS

Title (de)
EINRICHTUNG ZUM FÖRDERN STRÖMUNGSFÄHIGER MEDIEN, INSBESONDERE VON SCHMIERSTOFFEN

Title (fr)
DISPOSITIF DE CIRCULATION DE FLUIDES À CAPACITÉ D'ÉCOULEMENT, EN PARTICULIER DES LUBRIFIANTS

Publication
EP 2002122 A1 20081217 (DE)

Application
EP 06829752 A 20061220

Priority
• EP 2006012270 W 20061220
• DE 102006015602 A 20060404

Abstract (en)
[origin: US2007231168A1] A means for delivery of flowable media, especially of lubricants, with a pump (1) which can be driven by a motor and which forms a component of a line system is characterized in that at least one heating element (21) which can be activated by energy supply is located outside of the housing (3) of the pump (1) in a position which enables heat transfer to the housing (3).

IPC 8 full level
F04B 53/08 (2006.01); **F04D 29/58** (2006.01); **F16H 57/04** (2010.01)

CPC (source: EP KR US)
F04B 53/08 (2013.01 - EP KR US); **F04D 29/58** (2013.01 - KR); **F04D 29/588** (2013.01 - EP US)

Citation (search report)
See references of WO 2007118508A1

Citation (examination)
US 6060691 A 20000509 - MINAMI YUKIO [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)
US 2007231168 A1 20071004; US 7740457 B2 20100622; CA 2642865 A1 20071025; CA 2642865 C 20131001; CN 101395375 A 20090325; CN 101395375 B 20121010; DE 102006015602 A1 20071011; EP 2002122 A1 20081217; JP 2009532635 A 20090910; JP 5199233 B2 20130515; KR 101283379 B1 20130708; KR 20080102267 A 20081124; WO 2007118508 A1 20071025

DOCDB simple family (application)
US 40148006 A 20060411; CA 2642865 A 20061220; CN 200680053703 A 20061220; DE 102006015602 A 20060404; EP 06829752 A 20061220; EP 2006012270 W 20061220; JP 2009503422 A 20061220; KR 20087023914 A 20061220