

Title (en)
SPUR GEAR-TYPE RECIRCULATION PUMP

Title (de)
STIRNZAHNRADUMWÄLZPUMPE

Title (fr)
POMPE DE RECIRCULATION À DENTURE FRONTALE

Publication
EP 2179142 A2 20100428 (DE)

Application
EP 08784338 A 20080717

Priority
• DE 2008001155 W 20080717
• DE 102007033659 A 20070717

Abstract (en)
[origin: WO2009010047A2] Disclosed is a recirculation pump for conveying a heat transfer liquid. Said recirculation pump is driven by an electric motor and is used for heating systems, for example. The recirculation pump comprises a driven spur gear-type ball segment and an output spur gear-type ball segment, the meshing teeth of which are designed as cycloidal members.

IPC 8 full level
F01C 21/10 (2006.01); **F04C 2/08** (2006.01); **F04C 3/08** (2006.01); **F04C 15/00** (2006.01); **F24D 3/00** (2006.01); **F24D 3/02** (2006.01); **F24D 19/00** (2006.01)

CPC (source: EP)
F04C 2/084 (2013.01); **F04C 3/085** (2013.01); **F04C 15/008** (2013.01); **F04C 2240/30** (2013.01); **F05C 2225/00** (2013.01)

Citation (search report)
See references of WO 2009010047A2

Designated contracting state (EPC)
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Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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DE 102007033659 A 20070717; DE 2008001155 W 20080717; EP 08784338 A 20080717