

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)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**DE 102007033659 A1 20090122**; EP 2179142 A2 20100428; WO 2009010047 A2 20090122; WO 2009010047 A3 20090305; WO 2009010047 A4 20090430

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