

Title (en)
HYDRODYNAMIC PLAIN BEARING

Title (de)
HYDRODYNAMISCHES GLEITLAGER

Title (fr)
PALIER HYDRODYNAMIQUE COULISSANT

Publication
EP 1999387 A1 20081210 (DE)

Application
EP 07712290 A 20070223

Priority

- EP 2007051741 W 20070223
- CH 4932006 A 20060328

Abstract (en)
[origin: WO2007110287A1] A hydrodynamic plain bearing comprises a rotor which is rotatable about a rotational axis and which is mounted in the axial direction on a plurality of support segments (12), wherein a lubricating oil film is generated in a bearing gap between the rotor and the support segments (12). In a plain bearing of said type, circulation of the lubricating oil is effected in a simple way in that the plain bearing is provided with an integrated pump device (15) for pumping the lubricating oil around in a circuit.

IPC 8 full level
F16C 17/04 (2006.01); **F16C 33/10** (2006.01)

CPC (source: EP US)
F16C 17/04 (2013.01 - EP US); **F16C 33/108** (2013.01 - EP US); **F16C 33/1085** (2013.01 - EP US)

Citation (search report)
See references of WO 2007110287A1

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)
WO 2007110287 A1 20071004; CA 2647491 A1 20071004; CN 101432534 A 20090513; CN 101432534 B 20110511; EP 1999387 A1 20081210; JP 2009531621 A 20090903; US 2009034891 A1 20090205; US 7641392 B2 20100105

DOCDB simple family (application)
EP 2007051741 W 20070223; CA 2647491 A 20070223; CN 200780014906 A 20070223; EP 07712290 A 20070223; JP 2009501989 A 20070223; US 23571708 A 20080923