

Title (en)
STARTING DEVICE

Title (de)
STARTVORRICHTUNG

Title (fr)
DISPOSITIF DE DÉMARRAGE

Publication
EP 2260202 A1 20101215 (DE)

Application
EP 08873774 A 20081127

Priority

- EP 2008066341 W 20081127
- DE 102008000883 A 20080331

Abstract (en)
[origin: WO2009121434A1] The invention relates to a starting device having a drive bearing shield (19) in which a bearing (122) is mounted, having a drive shaft (142), wherein the bearing (122) in the bearing shield (19) supports the drive shaft (142) at least indirectly, having a starting pinion (22) mounted on the drive shaft (142) such that a torque can be transferred from the drive shaft (142) to the starting pinion (22), wherein the starting pinion (22) comprises a front face (203) and a retaining ring (209) is disposed at a fixed location on the drive shaft (142), wherein the starting pinion (22) comprises a cavity (206) on the front face (203), in which a retaining element (218) is disposed, preventing unallowed opening of the retaining ring (209).

IPC 8 full level
F02N 15/06 (2006.01); **F02N 11/08** (2006.01); **F16D 1/116** (2006.01)

CPC (source: EP US)
F02N 15/067 (2013.01 - EP US); **F16D 1/116** (2013.01 - EP US); **F02N 11/08** (2013.01 - EP US); **F02N 15/023** (2013.01 - EP US);
F16D 2001/103 (2013.01 - EP US)

Citation (search report)
See references of WO 2009121434A1

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 102008000883 A1 20091001; CN 102046961 A 20110504; EP 2260202 A1 20101215; JP 2011516774 A 20110526;
KR 20100135245 A 20101224; US 2011193434 A1 20110811; WO 2009121434 A1 20091008

DOCDB simple family (application)
DE 102008000883 A 20080331; CN 200880129477 A 20081127; EP 08873774 A 20081127; EP 2008066341 W 20081127;
JP 2011502242 A 20081127; KR 20107021879 A 20081127; US 93523408 A 20081127