

Title (en)
Startup torque transmitting mechanism of an internal combustion engine

Title (de)
Anfahrdrehmomentenübertragungseinrichtung für eine Brennkraftmaschine

Title (fr)
Mécanisme de transmission du couple de démarrage d'un moteur thermique

Publication
EP 1748181 A3 20071114 (EN)

Application
EP 06015088 A 20060719

Priority
JP 2005220105 A 20050729

Abstract (en)
[origin: EP1748181A2] A startup torque transmitting mechanism of an internal combustion engine, which, by means of a one-way clutch (12), both transmits torque generated by a starter motor to a crankshaft (4) side in one direction and prevents the transmission of torque in the other direction, includes a race connecting member (8) mounted on the crankshaft (4) side, which rotates in conjunction with the crankshaft (4) and is connected to one race (18) of a one-way clutch (12); and a ring gear (10) which is rotatably mounted to a main body side of the internal combustion engine via a bearing (16), and rotates according to torque received from the starter motor, and is connected to another race (10a) of the one-way clutch (12).

IPC 8 full level
F02N 15/02 (2006.01)

CPC (source: EP)
F02N 15/023 (2013.01); **F02N 2250/08** (2013.01)

Citation (search report)

- [X] DE 10343400 A1 20050414 - DAIMLER CHRYSLER AG [DE]
- [A] JP H0771351 A 19950314 - HONDA MOTOR CO LTD
- [A] DE 409374 C 19250205 - MAYBACH MOTORENBAU GMBH

Cited by
EP2886850A1; EP2028365A3; FR2922605A1; DE102008003201B4; EP2824349A1; EP2886849A1; US2014338498A1; US9464614B2; US8464680B2; US8973547B2; US8479599B2; WO2009053276A1; WO2007141652A3; WO2010130058A1; WO2013079047A1; WO2012079558A2; DE102011086767A1

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

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AL BA HR MK YU

DOCDB simple family (publication)
EP 1748181 A2 20070131; EP 1748181 A3 20071114; EP 1748181 B1 20110302; DE 602006020375 D1 20110414; JP 2007032497 A 20070208; JP 4218667 B2 20090204

DOCDB simple family (application)
EP 06015088 A 20060719; DE 602006020375 T 20060719; JP 2005220105 A 20050729