

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 A2 20070131 (EN)

Application

EP 06015088 A 20060719

Priority

JP 2005220105 A 20050729

Abstract (en)

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)

Cited by

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

Designated contracting state (EPC)

DE FR GB IT

Designated extension state (EPC)

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