

Title (en)
Torque transmission mechanism

Title (de)
Drehmomentübertragungsmechanismus

Title (fr)
Mécanisme de transmission de couple

Publication
EP 2824319 A1 20150114 (EN)

Application
EP 13175787 A 20130709

Priority
EP 13175787 A 20130709

Abstract (en)
This torque transmission mechanism (A) for an internal combustion engine, adapted to transmit a starting torque from a starter motor to a crankshaft (4) of the internal combustion engine, comprises a ring gear (2) that transmits the starting torque and a one-way clutch (8) disposed between the ring gear (2) and the crankshaft (4). The ring gear (2) comprises a gear side portion (20) to which the starting torque is transmitted from the starter motor via gear mesh, and a flange (22) for attaching the gear side portion (20) to an inner ring (7) of the one-way clutch (8). The gear side portion (20) is made in one piece with the flange (22).

IPC 8 full level
F02N 15/02 (2006.01)

CPC (source: EP)
F02N 15/022 (2013.01); **F02N 15/023** (2013.01); **F02N 2250/08** (2013.01)

Citation (applicant)
US 2008121202 A1 20080529 - ASADA TOSHIAKI [JP], et al

Citation (search report)
• [X] WO 2006016668 A1 20060216 - TOYOTA MOTOR CO LTD [JP], et al
• [I] EP 1748180 A2 20070131 - TOYOTA MOTOR CO LTD [JP]

Cited by
FR3077611A1; FR3077610A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2824319 A1 20150114

DOCDB simple family (application)
EP 13175787 A 20130709