

Title (en)
Torque transmission mechanism

Title (de)
Drehmomentübertragungsmechanismus

Title (fr)
Mécanisme de transmission de couple

Publication
EP 2824317 A1 20150114 (EN)

Application
EP 13175773 A 20130709

Priority
EP 13175773 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, a one-way clutch (8) disposed between the ring gear (2) and the crankshaft (4), including an outer ring (84) and an inner ring (7), a bearing (6) including an outer ring (7) fast in rotation with the gear ring (2) and an inner ring (62) fast in rotation with the crankshaft (4). The inner ring of the one-way clutch (8) and the outer ring of the bearing (6) are formed by a single tubular part (7).

IPC 8 full level
F02N 15/00 (2006.01); **F02N 15/02** (2006.01)

CPC (source: EP)
F02N 15/006 (2013.01); **F02N 15/022** (2013.01); **F02N 11/00** (2013.01); **F02N 15/023** (2013.01)

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

Citation (search report)
• [X1] JP 2012036874 A 20120223 - OZAK SEIKO CO LTD, et al
• [A] JP 2013096401 A 20130520 - JTEKT CORP
• [X1] DE 102012220727 A1 20130606 - SCHAEFFLER TECHNOLOGIES AG [DE]

Cited by
US2015176557A1

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)
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