

Title (en)

STARTER, IN PARTICULAR FOR MOTOR VEHICLE, EQUIPPED WITH A FRICTION-DRIVEN FREE-WHEEL DRIVE ASSEMBLY

Title (de)

ANLASSER, INSbesondere FÜR MIT EINEM FRIKTIONSGETRIEBENEN FREILAUFANTRIEB AUSGESTATTETES KRAFTFAHRZEUG

Title (fr)

DEMARREUR, NOTAMMENT DE VEHICULE AUTOMOBILE, EQUIPE D'UN LANCEUR A ROUE LIBRE PAR FRICTION

Publication

**EP 1778970 A1 20070502 (FR)**

Application

**EP 05783717 A 20050629**

Priority

- FR 2005001645 W 20050629
- FR 0407147 A 20040629

Abstract (en)

[origin: WO2006010852A1] The invention concerns a starter comprising a stop (35), an electric motor (11), mechanically coupled to an output shaft (28), a drive assembly (26) mounted on the output shaft (28) and including a driver (33), a part (45) for coupling the pinion (32) to the driver (33) via a mechanical freewheel connection (34) configured in accordance with a friction clutch, and a priming spring (R1) mounted between the stop (35) and the pinion (32).

IPC 8 full level

**F02N 11/02** (2006.01); **F02N 15/02** (2006.01); **F02N 15/06** (2006.01)

CPC (source: EP)

**F02N 15/025** (2013.01); **F02N 15/063** (2013.01); **F02N 15/067** (2013.01)

Citation (search report)

See references of WO 2006010852A1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2873170 A1 20060120; FR 2873170 B1 20090109;** BR PI0511167 A 20071204; CN 1997819 A 20070711; EP 1778970 A1 20070502;  
MX PA06014929 A 20070228; WO 2006010852 A1 20060202

DOCDB simple family (application)

**FR 0407147 A 20040629;** BR PI0511167 A 20050629; CN 200580019494 A 20050629; EP 05783717 A 20050629; FR 2005001645 W 20050629;  
MX PA06014929 A 20050629