

Title (en)

MOTOR VEHICLE STARTER WITH FRICTION DRIVE

Title (de)

KRAFTFAHRZEUG-ANLASSER MIT REIBUNGSANTRIEB

Title (fr)

DEMARREUR DE VEHICULE AUTOMOBILE DU TYPE A ENTRAINEMENT PAR FRICTION

Publication

EP 1119707 B1 20040630 (FR)

Application

EP 00958652 A 20000807

Priority

- FR 0002264 W 20000807
- FR 9910386 A 19990809

Abstract (en)

[origin: WO0111232A1] The invention concerns a starter (10) comprising an output shaft (12) driven in rotation by an electric motor (16) wherein the output shaft (12) includes at least a truncated roller (82) designed to co-operate with a matching truncated bearing (110) of a starter wheel (68), wherein the truncated roller (82) is screwed on a threading (78) borne by the output shaft (12) to be axially displaced towards the starting wheel (68), when the output shaft (12) rotates relative to the truncated roller (82) in a first rotational direction. The invention is characterised in that it comprises a braking device (102) which, when the electric motor (16) starts, brakes the truncated roller (82) rotation so as to cause the truncated roller (82) to move axially until it comes in contact with the starting wheel (68).

IPC 1-7

F02N 15/08

IPC 8 full level

F02N 11/00 (2006.01); **F02N 11/08** (2006.01); **F02N 15/08** (2006.01)

CPC (source: EP KR)

F02N 15/08 (2013.01 - EP KR)

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

WO 0111232 A1 20010215; BR 0006993 A 20010626; DE 60011865 D1 20040805; DE 60011865 T2 20050825; EP 1119707 A1 20010801; EP 1119707 B1 20040630; FR 2798167 A1 20010309; FR 2798167 B1 20011012; JP 2003506628 A 20030218; JP 4503898 B2 20100714; KR 20010080027 A 20010822

DOCDB simple family (application)

FR 0002264 W 20000807; BR 0006993 A 20000807; DE 60011865 T 20000807; EP 00958652 A 20000807; FR 9910386 A 19990809; JP 2001515456 A 20000807; KR 20017004387 A 20010406