

Title (en)

STARTER SYSTEM WITH BRAKING DEVICE.

Title (de)

ANDREHVORRICHTUNG MIT BREMSEINRICHTUNG.

Title (fr)

APPAREIL DE DEMARRAGE A DISPOSITIF DE FREINAGE.

Publication

EP 0518878 B1 19941005

Application

EP 91903883 A 19910222

Priority

- DE 4006797 A 19900303
- DE 9100140 W 19910222

Abstract (en)

[origin: DE4006797A1] A starter system comprises a rotor-driven drive shaft which carries a pinion for driving a crown gear of an internal combustion engine and which is mounted axially mobile for engagement and disengagement of the pinion. To ensure rapid braking of the pinion, the drive shaft (6) acts axially on the rotor (5) when the pinion is disengaged in such a manner that the rotor contacts a braking surface (150).

IPC 1-7

F02N 15/00

IPC 8 full level

F02N 11/00 (2006.01); **F02N 11/02** (2006.01); **F02N 15/00** (2006.01); **F02N 15/06** (2006.01)

CPC (source: EP US)

F02N 15/003 (2013.01 - EP US); **F02N 11/00** (2013.01 - EP US); **F02N 15/022** (2013.01 - EP US); **F02N 15/046** (2013.01 - EP US); **F02N 15/067** (2013.01 - EP US); **Y10T 74/132** (2015.01 - EP US); **Y10T 74/137** (2015.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

DE 4006797 A1 19910912; AU 638802 B2 19930708; AU 7240091 A 19911010; BR 9106109 A 19930224; CZ 280180 B6 19951115; DE 59103176 D1 19941110; EP 0518878 A1 19921223; EP 0518878 B1 19941005; ES 2063495 T3 19950101; HU 208725 B 19931228; HU 9202826 D0 19921228; HU T61612 A 19930128; JP H05504808 A 19930722; RU 2048653 C1 19951120; US 5321987 A 19940621; WO 9114094 A1 19910919

DOCDB simple family (application)

DE 4006797 A 19900303; AU 7240091 A 19910222; BR 9106109 A 19910222; CS 52791 A 19910228; DE 59103176 T 19910222; DE 9100140 W 19910222; EP 91903883 A 19910222; ES 91903883 T 19910222; HU 282692 A 19910222; JP 50395691 A 19910222; SU 5053134 A 19910222; US 85212592 A 19920427