

Title (en)

Starter having a pinion movement control structure

Title (de)

Anlasser mit einer Regelvorrichtung der Ritzelbewegung

Title (fr)

Démarreur muni d'un dispositif de contrôle du mouvement du pignon

Publication

**EP 1052402 A2 20001115 (EN)**

Application

**EP 00116717 A 19970606**

Priority

- EP 97109227 A 19970606
- JP 18024396 A 19960710
- JP 20745996 A 19960806

Abstract (en)

A starter (1) has a motor (2), output shaft (3) driven by the motor, a pinion moving body (4) mounted on the output shaft and engageable with a ring gear (29), an electromagnet switch (5), and a rotation restricting member (6) driven by the electromagnet switch to engage and restrict rotation of the pinion moving body until engagement of a pinion gear (30) with the ring gear. Further, to protect the pinion moving body, the pinion moving body is advanced closely to the ring gear and thereafter the motor is allowed to rotate so that the pinion engages the ring gear at low rotation speeds.  
<IMAGE>

IPC 1-7

**F02N 15/06**

IPC 8 full level

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CPC (source: EP)

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