

Title (en)

Starter with pinion return preventing mechanism

Title (de)

Anlasser mit Vorrichtung zum Verhindern des Zurückziehens des Ritzels

Title (fr)

Démarreur muni d'un dispositif empêchant le retour du pignon

Publication

**EP 0742368 B1 19990728 (EN)**

Application

**EP 96107370 A 19960509**

Priority

- JP 11211995 A 19950510
- JP 12167895 A 19950519
- JP 6136396 A 19960318

Abstract (en)

[origin: EP0742368A1] Rotation of a pinion (200) is regulated by a return/rotation regulating claw (231) when a starter (500) is actuated. After the pinion (200) engages the ring gear (100), the return/rotation regulating claw (231) positioned rearward the pinion (200) regulates the return of the pinion (200) from the ring gear (100). A thrust bearing (215) including a rolling bearing positioned on the rear face of the pinion (200) absorbs the difference between the rotational speed of the pinion (200) and that of the return/rotation regulating claw (231). Such a construction allows only the pinion (200) to move axially and a magnet switch (600) to be compact and light. <IMAGE>

IPC 1-7

**F02N 15/06**

IPC 8 full level

**F02N 15/06** (2006.01)

CPC (source: EP)

**F02N 15/065** (2013.01)

Citation (examination)

US 2332986 A 19431026 - BUXTON JAMES E

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0742368 A1 19961113; EP 0742368 B1 19990728**; DE 69603408 D1 19990902; DE 69603408 T2 20000413

DOCDB simple family (application)

**EP 96107370 A 19960509**; DE 69603408 T 19960509