

Title (en)  
Starter for engine having a ring gear

Title (de)  
Anlasser

Title (fr)  
Démarreur

Publication  
**EP 0725216 A2 19960807 (EN)**

Application  
**EP 96105895 A 19941125**

Priority  
• EP 94118613 A 19941125  
• JP 22232194 A 19940919

Abstract (en)  
Disclosed is a starter which is simplified in the structure of its pinion rotation regulating mechanism and is down-sized in its entire structure. A pinion regulating member (230) abuts with a pinion (200) and moves the pinion (200) towards a ring gear (100) by the rotation of an output shat (220), while preventing rotation of the pinion (200). When the pinion (200) abuts with the ring gear (100), the pinion regulating member (230) bends and gradually rotates the pinion (200) to mesh with the ring gear (100). By this arrangement and operation, generation of abrasion powder is reduced with reduced number of component parts. <IMAGE>

IPC 1-7  
**F02N 15/06**

IPC 8 full level  
**F02N 15/06** (2006.01)

CPC (source: EP)  
**F02N 15/067** (2013.01)

Cited by  
FR2864583A1; DE10260846A1; US6020650A; EP0836211A3; DE102004041618B4; DE102004041618A1; WO0235088A1; EP1434333A2

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
**EP 0725216 A2 19960807; EP 0725216 A3 19961009; EP 0725216 B1 19980225; EP 0725216 B2 20040901**; DE 69408687 D1 19980402;  
DE 69408687 T2 19980618; DE 69408687 T3 20050519; DE 69409801 D1 19980528; DE 69409801 T2 19980813

DOCDB simple family (application)  
**EP 96105895 A 19941125**; DE 69408687 T 19941125; DE 69409801 T 19941125