

Title (en)  
Starting device

Title (de)  
Startvorrichtung

Title (fr)  
Dispositif de démarrage

Publication  
**EP 1348866 A2 20031001 (DE)**

Application  
**EP 03000763 A 20030114**

Priority  
DE 10214278 A 20020328

Abstract (en)  
The internal combustion engine starter device has a drive shaft and a gear wheel carrier (40) connected to the drive shaft by a shape-locking connection. The drive shaft has a shape-locking connector on a section of its length onto which the gear wheel carrier is mounted with its counter shape-locking connector. The axial position of the gear wheel carrier is determined by stops (58,61).

Abstract (de)  
Es wird eine Startvorrichtung mit einer Antriebswelle (22) und mit einem Zahnradträger (40) vorgeschlagen, der mit der Antriebswelle (22) verbunden ist. Die Antriebswelle (22) und der Zahnradträger (44) sind formschlüssig miteinander verbunden. <IMAGE>

IPC 1-7  
**F02N 15/00**; F02N 15/06; F02N 15/04

IPC 8 full level  
**F02N 15/04** (2006.01); **F02N 15/06** (2006.01)

CPC (source: EP)  
**F02N 15/046** (2013.01); **F02N 15/066** (2013.01)

Cited by  
FR2863016A1; WO2005054664A1

Designated contracting state (EPC)  
DE FR IT

DOCDB simple family (publication)  
**EP 1348866 A2 20031001**; **EP 1348866 A3 20031112**; **EP 1348866 B1 20060412**; DE 10214278 A1 20031016; DE 50302930 D1 20060524

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