

Title (en)  
STARTER FOR AN INTERNAL COMBUSTION ENGINE

Title (de)  
STARTER FÜR EINE BRENNKRAFTMASCHINE

Title (fr)  
DÉMARREUR POUR MOTEUR À COMBUSTION INTERNE

Publication  
**EP 3473845 B1 20220504 (EN)**

Application  
**EP 17197562 A 20171020**

Priority  
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Abstract (en)  
[origin: EP3473845A1] The present invention relates to a starter (1) for an internal combustion engine (2), comprising a housing (3), a drive shaft (4) which has a coupling member (5) for coupling to the internal combustion engine (2) and which is axially adjustable between a retracted passive position (PS) and an extended active position (AS), and an actuating drive (8) for axially adjusting the drive shaft (4), said actuating drive (8) having a drive lever (9), which is mounted in the housing (3) so as to be pivotable about a pivot axis (11) extending transversely to the longitudinal centre axis (10) of the drive shaft (4), and a drive ring (13), which coaxially encloses the drive shaft (4), which is connected in terms of drive to the drive lever (9), which is axially supported on an annular push face (14) in order to drive the drive shaft (4) into the active position (AS), and which is axially supported on an annular pull face (16) in order to drive the drive shaft (4) into the passive position (PS). It is easier to produce the starter when the push face (14) is formed directly on a shaft flange (17) separate from the drive shaft (4), said shaft flange (17) coaxially enclosing the drive shaft (4) and being arranged in an axially fixed manner thereon so as to rotate therewith, and when the pull face (16) is formed directly on a cover ring (18) which coaxially encloses the drive shaft (4) and is arranged on the shaft flange (17) so as to rotate therewith.

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**F02N 15/006** (2013.01); **F02N 15/067** (2013.01); **F02N 11/00** (2013.01)

Citation (examination)

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