

Title (en)

STARTER DEVICE AND INTERNAL COMBUSTION ENGINE HAVING THE SAME

Title (de)

ANLASSVORRICHTUNG UND VERBRENNUNGSMOTOR DAMIT

Title (fr)

DISPOSITIF DE DÉMARREUR ET MOTEUR À COMBUSTION INTERNE DOTÉ DE CELUI-CI

Publication

EP 4310315 A1 20240124 (EN)

Application

EP 22186148 A 20220721

Priority

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Abstract (en)

The present invention relates to a starter device (1) for cranking an internal combustion engine (2) having a driveshaft (4), which comprises an external toothing (5), having a pinion shaft (6), which comprises a driveshaft receptacle (7), in which the driveshaft (4) is slidably received, having a transmission device (8) equipped for transmitting a torque (29) from the driveshaft (4) to the pinion shaft (6), which transmission device (8) comprises an internal toothing (9), wherein the transmission device (8) and the pinion shaft (6) are jointly adjustable in an actuation movement (10) between an engaged position (11), in which the internal toothing (9) and the external toothing (5) engage into one another, and a disengaged basic position. It is substantial for the invention that the external toothing (5) and the internal toothing (9) have different toothing profiles. The invention relates in particular to an internal combustion engine (2) having such a starter device (1).

IPC 8 full level

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Citation (applicant)

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- CN 103244570 A 20130814 - BOSCH AUTOMOTIVE PROD CHANGSHA, et al
- US 5067357 A 19911126 - ISOZUMI SHUZOU [JP]

Citation (search report)

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- [I] JP H08105513 A 19960423 - AICHI MACHINE IND
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