

Title (en)

COMBUSTION ENGINE STARTER WITH A PINION PROTRUDING FROM THE HOUSING OF THE STARTER

Title (de)

ANLASSER FÜR EINEN BRENNKRAFTMOTOR MIT EINEM VOM STARTERGEHÄUSE HERAUSRAGENDEN ANDREHRITZEL

Title (fr)

DEMARREUR DE MOTEUR THERMIQUE A PIGNON SORTANT DANS LE CARTER DU DEMARREUR

Publication

EP 2547896 A2 20130123 (FR)

Application

EP 11713005 A 20110315

Priority

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Abstract (en)

[origin: WO2011114052A2] The combustion engine starter with output pinion (18) comprises a front bearing (12) provided with a front face (120) having an opening (312), a drive assembly equipped with a bush (26) passing through the opening (312) and bearing the output pinion (18) outside the front bearing (12), complementary splines (67,167) which act between the front end of the bush (26) and at the internal periphery of the output pinion (18), a groove (64, 164) which interrupts the splines (67) of the bush (26) in order to mount a stop (60, 160) for immobilizing the pinion, a play-compensating spring (61) urging the pinion into contact with the stop (60, 160) formed by a spring ring which has a height greater than its thickness and which is housed with radial clearance at least partially in an annular recess (62) made in the front face (183) of the pinion (18); the internal periphery of the spring ring (60, 160) being mounted in the groove (64, 164) in the bush (26). Application: combustion engine starter of a motor vehicle.

IPC 8 full level

F02N 15/06 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2011114052A2

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