

Title (en)
STARTER MOTOR PROVIDED WITH A TRANSLATABLY FIXED FREE WHEEL

Title (de)
ANLASSER MIT EINEM ÜBERSETZBAR FIXIERTEN FREILAUF

Title (fr)
DEMARREUR POUR MOTEUR A COMBUSTION

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Application
EP 13728452 A 20130516

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Abstract (en)
[origin: WO2013171432A1] The invention essentially relates to a starter motor (1) for a heat engine of a motor vehicle, comprising: an electric motor having a stator (7) and a rotor (3) mounted on a rotor shaft (5); a translatably mobile starter shaft (15) carrying a drive pinion (13) that can move from an idle position wherein the drive pinion (13) is released from a rotational element connected to the crankshaft of the heat engine to an active position wherein the drive pinion (13) is used to rotatably drive the rotational element connected to the crankshaft of the heat engine; and a speed reducer group (17) inserted between the rotor shaft (5) and the starter shaft (15). The invention is characterised in that it also comprises a translatably fixed free wheel (16) that has an input end rotatably connected to the speed reducer group (17) and an output end consisting of a drive shaft (18). The starter shaft (15) is mounted in a translatably mobile manner on the drive shaft (18) by means of a helicoidal connection.

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Citation (search report)
See references of WO 2013171432A1

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