

Title (en)
Coaxial engine starter.

Title (de)
Koaxialer Anlasser für einen Verbrennungsmotor.

Title (fr)
Démarreur coaxial pour moteur à combustion interne.

Publication
EP 0385726 A1 19900905 (EN)

Application
EP 90302081 A 19900227

Priority
JP 4752689 A 19890227

Abstract (en)
A coaxial engine starter comprises an electric motor having an armature winding (1) of a single turn and a hollow armature rotary shaft (3) for generating a rotational force for starting an engine. The starter also comprises an over-running clutch mechanism (17) disposed within the hollow armature rotary shaft for preventing the occurrence of an excessive-speed of the armature (1) and having a pinion (20) having a gear teeth number equal to or less than seven for engaging with a ring gear of an engine upon starting of the electric motor. A solenoid switch (24) is also disposed behind the electric motor for moving a pinion shaft (20,26) forward and supplying an electric power to the electric motor.

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CPC (source: EP KR)
F02N 11/00 (2013.01 - KR); **F02N 15/066** (2013.01 - EP)

Citation (search report)
• [Y] US 1435101 A 19221107 - ODILON BRISBOIS
• [Y] FR 2310009 A1 19761126 - N I EXPERIMENT AVTOMOBILNOGO [SU]
• [AD] EP 0277566 A1 19880810 - MITSUBISHI ELECTRIC CORP [JP]

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