

Title (en)
STARTER FOR AN INTERNAL-COMBUSTION ENGINE

Publication
EP 0246140 B1 19900502 (FR)

Application
EP 87401016 A 19870504

Priority
FR 8607054 A 19860516

Abstract (en)
[origin: US4774915A] The starting unit comprises start-up means for the engine, comprising: engagement means capable of being displaced in translation for engagement in complementary receiving means linked to the engine; actuating means for displacing the engagement means in translation; and drive means capable of driving the start-up means. The unit comprises sensor means responsive to the relative position of the engagement means and of the receiving means; angular incrementation means capable of causing the engagement means to rotate in relation to the receiving means by a predetermined amplitude; and control means sensing the indications supplied by the sensor means and capable, on the one hand, of limiting the translational movement of the engagement means when these means do not occupy a correct position, an angular incrementation then being effected, and, on the other hand, of ensuring the engagement of the engagement means in the receiving means only when a correct position has been reached, and only then starting the drive means if the start-up of the engine is desired by the user.

IPC 1-7
F02N 11/08; **F02N 15/06**

IPC 8 full level
F02N 11/08 (2006.01); **F02N 15/06** (2006.01)

CPC (source: EP US)
F02N 11/0851 (2013.01 - EP US); **F02N 15/06** (2013.01 - EP US); **F02N 11/0859** (2013.01 - EP US); **Y10T 74/131** (2015.01 - EP US)

Cited by
EP0848159A1; US10252368B2; FR2729435A1; EP1154153A3; EP0727577A1; CN103171448A

Designated contracting state (EPC)
DE ES GB

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