

Title (en)

METHOD FOR THE STARTER CUT-OUT OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR STARTABSCHALTUNG EINER BRENNKRAFTMASCHINE

Title (fr)

PROCEDE POUR ARRETER LE DEMARRAGE D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1105642 B1 20021211 (DE)

Application

EP 98942474 A 19980701

Priority

DE 9801815 W 19980701

Abstract (en)

[origin: WO0001943A1] The invention relates to a method for the starter cut-out of an internal combustion engine, according to which a starter motor which can mesh with the internal combustion engine for starting same is disengaged and switched off when the internal combustion engine runs autonomously. The instant of starter cut-out is determined from a characteristic of a starter current of the starter motor. According to the invention a signal proportional to the starter current (IS) is evaluated to determine the instant (tA) of starter cut-out. A characteristic curve is evaluated with a signal that is proportional to the starter current, which curve depends on an operating state of the internal combustion engine.

IPC 1-7

F02N 11/08

IPC 8 full level

F02N 11/08 (2006.01)

CPC (source: EP US)

F02N 11/0848 (2013.01 - EP US); **F02N 2200/044** (2013.01 - EP US)

Designated contracting state (EPC)

ES FR GB IT SE

DOCDB simple family (publication)

WO 0001943 A1 20000113; EP 1105642 A1 20010613; EP 1105642 B1 20021211; JP 2002519587 A 20020702; JP 4469498 B2 20100526; US 6363899 B1 20020402

DOCDB simple family (application)

DE 9801815 W 19980701; EP 98942474 A 19980701; JP 2000558309 A 19980701; US 44646799 A 19991220