

Title (en)

STARTER SYSTEM FOR AN INTERNAL COMBUSTION ENGINE AND METHOD FOR STARTING AN INTERNAL COMBUSTION ENGINE

Title (de)

STARTERSYSTEM FÜR EINEN VERBRENNUNGSMOTOR SOWIE VERFAHREN ZUM STARTEN EINES VERBRENNUNGSMOTORS

Title (fr)

SYSTEME DE DEMARREUR POUR UN MOTEUR A COMBUSTION INTERNE ET PROCEDE DE DEMARRAGE DUDIT MOTEUR

Publication

**EP 1112447 B1 20040602 (DE)**

Application

**EP 99948744 A 19990907**

Priority

- DE 19840819 A 19980907
- EP 9906577 W 19990907

Abstract (en)

[origin: WO0014402A1] The invention relates to a starter system for an internal combustion engine (1), comprising an electric starter (4), a battery (9, 9') for said starter, a device for measuring the temperature of the starter battery (9, 9'), a functional electronic power unit (7c; 13) that actively regulates the value of the discharge current of the starter battery (9, 9') that is drawn in order to start the engine or prepare for the starting thereof, and a control device (11) that provides the functional unit (7c; 13) with the discharge current that is to be drawn, whereby the maximum discharge current value at low battery temperatures is lower than for high temperatures. The invention also relates to an associated method for starting an internal combustion engine (1).

IPC 1-7

**F02N 11/08**

IPC 8 full level

**F02N 11/04** (2006.01); **F02N 11/08** (2006.01)

CPC (source: EP US)

**F02N 11/0862** (2013.01 - EP US); **F02N 11/0866** (2013.01 - EP US); **F02N 2011/0885** (2013.01 - EP US); **F02N 2011/0888** (2013.01 - EP US); **F02N 2200/064** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 0014402 A1 20000316**; DE 19840819 C1 20000803; DE 59909658 D1 20040708; EP 1112447 A1 20010704; EP 1112447 B1 20040602; JP 2002524686 A 20020806; US 2002020381 A1 20020221; US 6481406 B2 20021119

DOCDB simple family (application)

**EP 9906577 W 19990907**; DE 19840819 A 19980907; DE 59909658 T 19990907; EP 99948744 A 19990907; JP 2000569121 A 19990907; US 80024301 A 20010306