

Title (en)

Monitoring system for starter device

Title (de)

Vorrichtung zur Überwachung einer Starteinrichtung

Title (fr)

Système de surveillance pour dispositif de démarrage

Publication

**EP 1036936 B1 20011114 (DE)**

Application

**EP 00102370 A 20000204**

Priority

DE 19910330 A 19990309

Abstract (en)

[origin: EP1036936A1] The device has an electrical machine (12) acting as a starter and generator, an inverter (14) for converting the current produced or required by the machine and a control unit (30) for controlling the operation of the unit containing the machine and inverter depending on input signals. The control unit can be activated at intervals when the vehicle is not being operated. An additional controller (40) activates or deactivates the inverter depending on motor vehicle operating information.

IPC 1-7

**F02N 11/04**; **F02N 11/10**

IPC 8 full level

**F02N 15/00** (2006.01); **F02N 11/04** (2006.01); **F02N 11/08** (2006.01); **F02N 11/10** (2006.01)

CPC (source: EP US)

**F02N 11/04** (2013.01 - EP US); **F02N 11/105** (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 2011/0896** (2013.01 - EP US); **F02N 2300/302** (2013.01 - EP US)

Cited by

DE102015201543A1; CN1305985C

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**DE 19910330 A1 20000914**; DE 50000034 D1 20011220; EP 1036936 A1 20000920; EP 1036936 B1 20011114; ES 2164629 T3 20020301; JP 2000265929 A 20000926; US 6414402 B1 20020702

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**DE 19910330 A 19990309**; DE 50000034 T 20000204; EP 00102370 A 20000204; ES 00102370 T 20000204; JP 2000041328 A 20000218; US 52239500 A 20000309