

Title (en)

ELECTRONIC UNIT FOR IDENTIFYING THE CHARGED STATE AND/OR THE WEAR AND TEAR OF A MOTOR VEHICLE BATTERY

Title (de)

ELEKTRONISCHE EINHEIT ZUR ERKENNUNG DES LADEZUSTANDS UND/ODER DES VERSCHLEISSES EINER KRAFTFAHRZEUGBATTERIE

Title (fr)

UNITE ELECTRONIQUE PERMETTANT D'IDENTIFIER L'ETAT DE CHARGE ET/OU L'USURE D'UNE BATTERIE DE VEHICULE A MOTEUR

Publication

EP 1303765 A1 20030423 (DE)

Application

EP 01957974 A 20010717

Priority

- DE 10036341 A 20000726
- EP 0108215 W 20010717

Abstract (en)

[origin: WO0208777A1] The invention relates to an electronic unit for identifying the charged state and/or the wear and tear of a motor vehicle battery. Said unit comprises elements for detecting the battery voltage and in addition, elements for detecting the speed (n*) of the internal combustion engine. The unit also has elements for evaluating the battery voltage (uBatt) according to the internal combustion engine speed during the starting operation (t2-t3), in relation to the charged state and/or the wear and tear of the motor vehicle battery.

IPC 1-7

G01R 31/36

IPC 8 full level

B60R 16/04 (2006.01); **F02N 11/08** (2006.01); **G01R 31/36** (2006.01); **H01M 10/48** (2006.01); **H02J 7/14** (2006.01)

CPC (source: EP US)

G01R 31/3835 (2018.12 - EP US)

Citation (search report)

See references of WO 0208777A1

Citation (examination)

DE 3901680 A1 19900322 - DUERRWAECHTER E DR DODUCO [DE]

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

WO 0208777 A1 20020131; DE 10036341 A1 20020207; EP 1303765 A1 20030423; JP 2004504973 A 20040219; JP 4724352 B2 20110713; US 2003076108 A1 20030424; US 6696842 B2 20040224

DOCDB simple family (application)

EP 0108215 W 20010717; DE 10036341 A 20000726; EP 01957974 A 20010717; JP 2002514418 A 20010717; US 8911702 A 20020725