

Title (en)

DEVICE FOR MEASURING A SUPPLY VOLTAGE IN ELECTRIC VEHICLES

Title (de)

EINRICHTUNG ZUM MESSEN EINER VERSORGUNGSSPANNUNG IN ELEKTROFAHRZEUGEN

Title (fr)

DISPOSITIF POUR MESURER UNE TENSION D'ALIMENTATION DANS DES VÉHICULES ÉLECTRIQUES

Publication

EP 2691784 A1 20140205 (DE)

Application

EP 12718102 A 20120329

Priority

- DE 102011006377 A 20110329
- EP 2012055709 W 20120329

Abstract (en)

[origin: WO2012130990A1] A sensor arrangement for measuring an electric voltage (Uterm), wherein the potential point (1), at which the electric voltage relative to a defined electric potential, in particular relative to earth, is intended to be measured, is connected to a capacitor (2), to which a comparator unit (3) is connected which ascertains whether a first defined threshold voltage (URef) is present at the capacitor (2), wherein the sensor arrangement is configured such that it provides an output signal which is dependent on at least one charging process of the capacitor (2) and comprises at least the information of the charging time for charging the capacitor to the first defined threshold voltage.

IPC 8 full level

G01R 19/255 (2006.01); **H02M 1/00** (2006.01); **H03K 7/08** (2006.01); **H03M 1/50** (2006.01)

CPC (source: EP KR US)

G01R 19/10 (2013.01 - US); **G01R 19/255** (2013.01 - EP KR US); **G01R 31/36** (2013.01 - KR); **G01R 31/3842** (2018.12 - EP US); **G01R 35/00** (2013.01 - EP US); **H03K 7/08** (2013.01 - KR); **H03M 1/50** (2013.01 - KR); **G01R 1/203** (2013.01 - EP US); **G01R 15/16** (2013.01 - EP US); **G01R 19/0092** (2013.01 - EP US); **G01R 31/006** (2013.01 - EP US); **H02P 2101/00** (2015.01 - US); **H03K 7/08** (2013.01 - EP US)

Citation (search report)

See references of WO 2012130990A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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