

Title (en)

DRIVE SYSTEM FOR A MOTOR VEHICLE COMPRISING AN INTERNAL COMBUSTION ENGINE AND AN ELECTRIC MOTOR

Title (de)

ANTRIEBSSYSTEM FÜR EIN KRAFTFAHRZEUG MIT EINEM VERBRENNUNGSMOTOR UND EINER ELEKTRISCHEN MASCHINE

Title (fr)

SYSTEME D'ENTRAINEMENT POUR VEHICULE COMPRENANT UN MOTEUR A COMBUSTION INTERNE ET UN MOTEUR ELECTRIQUE

Publication

EP 1507679 A1 20050223 (DE)

Application

EP 03718767 A 20030417

Priority

- DE 10223320 A 20020524
- DE 10231379 A 20020711
- EP 0304021 W 20030417

Abstract (en)

[origin: WO03099605A1] The invention relates to a device and method for starting an internal combustion engine for a motor vehicle, whereby an electric motor (1) is assigned to the internal combustion engine and operated like a starter/generator. During starting, the electric motor (1) is supplied with a voltage that results from adding or subtracting the voltages applied to a first and to a second energy store (3, 4).

IPC 1-7

B60L 1/00; B60L 15/20; B60L 11/12; H02J 7/14; B60K 6/04

IPC 8 full level

F02N 11/08 (2006.01); **B60K 6/28** (2007.10); **B60K 6/48** (2007.10); **B60L 1/00** (2006.01); **B60L 15/20** (2006.01); **B60L 50/15** (2019.01);
F02N 11/04 (2006.01); **H02J 7/14** (2006.01)

CPC (source: EP)

B60K 6/28 (2013.01); **B60K 6/48** (2013.01); **B60L 1/00** (2013.01); **B60L 15/2009** (2013.01); **B60L 50/15** (2019.01); **F02N 11/0866** (2013.01);
H02J 7/1423 (2013.01); **B60K 2006/268** (2013.01); **F02N 11/04** (2013.01); **F02N 2011/0885** (2013.01); **F02N 2011/0888** (2013.01);
F02N 2011/0896 (2013.01); **Y02T 10/62** (2013.01); **Y02T 10/64** (2013.01); **Y02T 10/70** (2013.01); **Y02T 10/7072** (2013.01); **Y02T 10/72** (2013.01)

Citation (search report)

See references of WO 03099605A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 03099605 A1 20031204; EP 1507679 A1 20050223; JP 2005530081 A 20051006; JP 4166753 B2 20081015

DOCDB simple family (application)

EP 0304021 W 20030417; EP 03718767 A 20030417; JP 2004507108 A 20030417