

Title (en)

MOTOR VEHICLE COMPRISING AN ELECTRIC MOTOR DRIVE AND AN ON-BOARD POWER SUPPLY

Title (de)

KRAFTFAHRZEUG MIT EINEM ELEKTROMOTORANTRIEB UND EINER BORDSTROMVERSORGUNG

Title (fr)

VEHICULE AUTOMOBILE COMPORTANT UNE COMMANDE PAR MOTEUR ELECTRIQUE ET UNE ALIMENTATION EN COURANT DE BORD

Publication

EP 1345791 A1 20030924 (DE)

Application

EP 01991665 A 20011221

Priority

- DE 0104889 W 20011221
- DE 10065303 A 20001229

Abstract (en)

[origin: WO02053406A1] The invention relates to a motor vehicle comprising an electric motor drive and an on-board power supply. Conventional on-board power supply systems can be operated with fuel cell modules. The invention is characterized in that the motor vehicle further comprises an air conditioning system providing cooling air that comprises an air conditioning compressor (25) that is supplied by the electric systems of the vehicle. The electric systems can be either the hybrid drive of the motor vehicle or a separate electric motor driven by a fuel cell module already mounted in the vehicle, high-temperature PEM fuel cells being especially suitable for this purpose.

IPC 1-7

B60L 1/00

IPC 8 full level

B60K 1/00 (2006.01); **B60H 1/00** (2006.01); **B60H 1/22** (2006.01); **B60H 1/32** (2006.01); **B60L 1/00** (2006.01); **B60L 11/18** (2006.01); **B60L 50/16** (2019.01); **H01M 8/04** (2006.01)

CPC (source: EP KR US)

B60H 1/00392 (2013.01 - EP US); **B60L 1/003** (2013.01 - EP US); **B60L 1/02** (2013.01 - KR); **F02N 11/003** (2013.01 - EP US)

Citation (search report)

See references of WO 02053406A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 02053406 A1 20020711; CA 2436587 A1 20020711; CN 1492814 A 20040428; DE 10065303 A1 20020711; EP 1345791 A1 20030924; JP 2004526394 A 20040826; KR 20030086587 A 20031110; US 2004045748 A1 20040311

DOCDB simple family (application)

DE 0104889 W 20011221; CA 2436587 A 20011221; CN 01822962 A 20011221; DE 10065303 A 20001229; EP 01991665 A 20011221; JP 2002554539 A 20011221; KR 20037008673 A 20030626; US 60988603 A 20030630