

Title (en)

ELECTRIC TRACTION DRIVE FOR VEHICLE WITH FAULT-CURRENT PROTECTION IN THE DC INTERMEDIATE CIRCUIT

Title (de)

ELEKTRISCHER TRAKTIONSANTRIEB FÜR FAHRZEUG MIT FEHLERSTROMSCHUTZ IM GLEICHSPANNUNGSZWISCHENKREIS

Title (fr)

RESEAU DE BORD A TENSION ACCRUE

Publication

EP 1820246 A2 20070822 (DE)

Application

EP 05801404 A 20051111

Priority

- EP 2005055897 W 20051111
- DE 102004057694 A 20041130

Abstract (en)

[origin: DE102004057694A1] The system has at least one electrical machine, a converter and two connecting lines between the inverter and a battery a leakage current protection circuit with a switch for interrupting the two connecting lines and evaluation logic for opening the switch under certain conditions. The opening conditions are voltages across resistances (16,19) between first and second lines (13) and earth and both lines connecting corresponding connections of the battery (15) and the inverter and/or generator (10). An independent claim is also included for a leakage current protection circuit.

IPC 8 full level

G01R 27/18 (2006.01); **H02H 3/16** (2006.01)

CPC (source: EP US)

B60K 6/485 (2013.01 - EP US); **B60L 3/0023** (2013.01 - EP US); **B60L 3/0069** (2013.01 - EP US); **B60W 10/08** (2013.01 - EP US); **H02H 3/325** (2013.01 - EP US); **B60W 20/00** (2013.01 - EP); **H02H 3/202** (2013.01 - EP US); **Y02T 10/62** (2013.01 - EP US)

Citation (search report)

See references of WO 2006058824A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

DE 102004057694 A 20041130; CN 200580041112 A 20051111; EP 05801404 A 20051111; EP 2005055897 W 20051111; US 79203605 A 20051111