

Title (en)

SERIES RESISTOR ASSEMBLY FOR AN ELECTRIC MOTOR, CIRCUIT ARRANGEMENT COMPRISING A SERIES RESISTOR ASSEMBLY FOR OPERATING AN ELECTRIC MOTOR AND USE OF SAID ASSEMBLY

Title (de)

VORWIDERSTANDSBAUGRUPPE ZUM BETREIBEN EINES ELEKTROMOTORS

Title (fr)

MODULE DE RESISTANCE SERIE POUR MOTEUR ELECTRIQUE, CIRCUIT COMPRENANT UN MODULE DE RESISTANCE SERIE POUR FAIRE FONCTIONNER UN MOTEUR ELECTRIQUE ET UTILISATION D'UN MODULE DE RESISTANCE SERIE

Publication

EP 1634367 A1 20060315 (DE)

Application

EP 04739266 A 20040519

Priority

- EP 2004005420 W 20040519
- DE 10325761 A 20030605

Abstract (en)

[origin: WO2004109902A1] The invention relates to a series resistor assembly (1) for an electric motor (M), in particular for an electrically driven ventilating fan in a vehicle. Said assembly comprises a series resistor (2) for controlling the RPM of the electric motor (M) in one or more RPM stages (ST1, ST2, to STn) and a thermal link (6) that is optionally connected in series to the series resistor, a reversible switching element (4) for at least one of the RPM stages (ST1, ST2) being integrated into said assembly. The invention also relates to a circuit arrangement (14) comprising a reversible blocking protection and fire protection element for the electric motor (M) and/or the series resistor assembly (1), diverse status signalling lines (24a to 24c) being used to evaluate and control the ventilating fan system.

IPC 1-7

H02P 7/20; **H02P 7/08**

IPC 8 full level

H02P 7/08 (2006.01); **H02P 7/20** (2006.01); **H02P 7/288** (2006.01)

CPC (source: EP US)

H02P 7/08 (2013.01 - EP US); **H02P 7/20** (2013.01 - EP US); **H02P 7/288** (2013.01 - EP US)

Citation (search report)

See references of WO 2004109902A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004109902 A1 20041216; BR PI0411096 A 20060718; DE 10325761 A1 20041223; EP 1634367 A1 20060315; JP 2006526973 A 20061124; JP 4495150 B2 20100630; US 2006291821 A1 20061228; US 7705549 B2 20100427

DOCDB simple family (application)

EP 2004005420 W 20040519; BR PI0411096 A 20040519; DE 10325761 A 20030605; EP 04739266 A 20040519; JP 2006508183 A 20040519; US 55947504 A 20040519