

Title (en)

METHOD AND DEVICE FOR POWER SUPPLY TO AN ELECTRIC MOTOR VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STROMVERSORGUNG EINES ELEKTRISCHEN MOTORFAHRZEUGS

Title (fr)

PROCEDE ET DISPOSITIF POUR ALIMENTER EN COURANT ELECTRIQUE UN VEHICULE A MOTEUR ELECTRIQUE

Publication

**EP 1799488 A1 20070627 (FR)**

Application

**EP 05805603 A 20050908**

Priority

- FR 2005002242 W 20050908
- FR 0409485 A 20040908

Abstract (en)

[origin: WO2006027503A1] The invention relates to a method for produce a plasma conductor in air with the aid of a femtosecond high-frequency pulsing and high-repetition rate laser. Said plasma is used for transmitting a current between an electric or catenary wire supplying a vehicle such as a train and an electric contact, for example a pantograph arm disposed on a moving vehicle and connected to a power distribution system thereof. The plasma is in contact with the electric or catenary wire and with an electric contact.

IPC 8 full level

**B60L 5/00** (2006.01)

CPC (source: EP US)

**B60L 5/005** (2013.01 - EP US); **B60L 2200/26** (2013.01 - EP US)

Citation (search report)

See references of WO 2006027503A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**FR 2874864 A1 20060310; FR 2874864 B1 20061215**; CA 2579376 A1 20060316; EP 1799488 A1 20070627; JP 2008512978 A 20080424; JP 4803503 B2 20111026; US 2007284205 A1 20071213; US 7854304 B2 20101221; WO 2006027503 A1 20060316

DOCDB simple family (application)

**FR 0409485 A 20040908**; CA 2579376 A 20050908; EP 05805603 A 20050908; FR 2005002242 W 20050908; JP 2007529381 A 20050908; US 66198105 A 20050908