

Title (en)

METHOD FOR PRODUCING A SPARK PLUG ELECTRODE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER ZÜNDKERZENELEKTRODE

Title (fr)

PROCEDE POUR LA PRODUCTION D'UNE ELECTRODE DE BOUGIE D'ALLUMAGE

Publication

**EP 1356555 B1 20111123 (DE)**

Application

**EP 01984728 A 20011222**

Priority

- DE 0104927 W 20011222
- DE 10103045 A 20010124

Abstract (en)

[origin: DE10103045A1] The method involves joining the electrode (1) to a precious metal (2) locally by using heat input generated by a continuously operating laser beam (3). This causes melting at least in the boundary region between the precious metal and the electrode. The precious metal can be completely melted by the heat. Independent claims are also included for the following: an electrode for an ignition plug.

IPC 8 full level

**B23K 26/00** (2006.01); **B23K 26/20** (2006.01); **F02P 13/00** (2006.01); **H01T 1/00** (2006.01); **H01T 13/20** (2006.01); **H01T 21/02** (2006.01)

CPC (source: EP US)

**H01T 21/02** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 10103045 A1 20020725**; BR 0109425 A 20021210; BR 0109425 B1 20140204; CN 100409518 C 20080806; CN 1419724 A 20030521; EP 1356555 A1 20031029; EP 1356555 B1 20111123; EP 1356555 B2 20151014; JP 2004517459 A 20040610; RU 2003124073 A 20050227; RU 2289875 C2 20061220; US 2005176332 A1 20050811; US 7192324 B2 20070320; WO 02060025 A1 20020801

DOCDB simple family (application)

**DE 10103045 A 20010124**; BR 0109425 A 20011222; CN 01807145 A 20011222; DE 0104927 W 20011222; EP 01984728 A 20011222; JP 2002560249 A 20011222; RU 2003124073 A 20011222; US 23995003 A 20030530