Title (en)

ELECTRODE FOR AN IGNITION PLUG AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

ELEKTRODE FÜR EINE ZÜNDKERZE SOWIE VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

ÉLECTRODE POUR UNE BOUGIE D'ALLUMAGE AINSI QUE PROCÉDÉ POUR SA FABRICATION

Publication

EP 2719037 B1 20151021 (DE)

Application

EP 12714689 A 20120412

Priority

- DE 102011077279 A 20110609
- EP 2012056643 W 20120412

Abstract (en)

[origin: WO2012167972A1] The invention relates to an electrode for an ignition plug, comprising an electrode base material (4) and a precious metal element (5; 50), wherein the precious metal element (5; 50) is fastened to the electrode base material (4) by means of a welded connection (6; 60), wherein the welded connection has a maximum extent (T) perpendicular to a surface (20) of the electrode to which the precious metal element is fastened and the welded connection has a maximum width (B) on the surface (20), and wherein a ratio of the maximum extent (T) to the maximum width (B) is greater than or equal to 3.

IPC 8 full level

H01T 13/39 (2006.01); **H01T 21/02** (2006.01)

CPC (source: EP US)

H01T 13/39 (2013.01 - EP US); **H01T 21/02** (2013.01 - EP US)

Citation (examination)

- EP 0936710 A1 19990818 - DENSO CORP [JP]
- JP 2010238499 A 20101021 - NGK SPARK PLUG CO
- JP 2003217792 A 20030731 - DENSO CORP
- JP 2004095214 A 20040325 - NGK SPARK PLUG CO
- EP 1049222 A1 20001102 - NGK SPARK PLUG CO [JP]

Citation (opposition)

Opponent : Dr. Andreas Motsch,

- EP 0936710 A1 19990818 - DENSO CORP [JP]
- JP 2010238499 A 20101021 - NGK SPARK PLUG CO
- JP 2003217792 A 20030731 - DENSO CORP
- EP 1049222 A1 20001102 - NGK SPARK PLUG CO [JP]
- EP 2325959 A1 20110525 - NGK SPARK PLUG CO [JP]
- PARTIAL TRANSLATION OF D2
- MACHINE TRANSLATION OF D2
- PARTIAL TRANSLATION OF D3
- MACHINE TRANSLATION OF D3

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

DE 102011077279 A1 20121213; CN 103582985 A 20140212; CN 103582985 B 20190115; EP 2719037 A1 20140416; EP 2719037 B1 20151021; ES 2552519 T3 20151130; JP 2014519169 A 20140807; JP 5965997 B2 20160810; US 2014203701 A1 20140724; US 9263856 B2 20160216; WO 2012167972 A1 20121213

DOCDB simple family (application)

DE 102011077279 A 20110609; CN 201280028188 A 20120412; EP 12714689 A 20120412; EP 2012056643 W 20120412; ES 12714689 T 20120412; JP 2014513952 A 20120412; US 201214125044 A 20120412