

Title (en)
PT-IR-BASED WIRE HARDENED BY OXIDE DISPERSION AND OTHER ALLOYS PROVIDED WITH AN IMPROVED SURFACE FOR SPARK PLUG ELECTRODES

Title (de)
DRAHT AUS OXIDDISPERSIONSGEHÄRTETEM PT-IR- UND ANDEREN LEGIERUNGEN MIT VERBESSERTER OBERFLÄCHE FÜR ZÜNDKERZENELEKTRODEN

Title (fr)
FIL A BASE DE PT-IR DURCI PAR DISPERSION D'OXYDE ET D'AUTRES ALLIAGES, A SURFACE AMELIOREE POUR DES ELECTRODES DE BOUGIES D'ALLUMAGE

Publication
EP 1917370 A1 20080507 (DE)

Application
EP 06776674 A 20060808

Priority
• EP 2006007835 W 20060808
• DE 102005038772 A 20050815
• DE 102005056619 A 20051125

Abstract (en)
[origin: US7736752B2] A wire, strip or reshaped part is produced from an alloy based on platinum, palladium or a mixture of platinum and palladium and hardened by oxide dispersion. The wire, strip or reshaped part cross-section exhibits a peripheral zone in which at least one relatively easily volatilized oxide generator is depleted by at least 25%. In addition, a process is provided for production of such a wire, strip or reshaped part, in which a porous skin is produced thermally on the wire, strip or reshaped part, and the porous skin is compacted by conversion into a soft or impermeable skin.

IPC 8 full level
C22C 5/04 (2006.01)

CPC (source: EP US)
C22C 5/04 (2013.01 - EP US); **H01T 13/39** (2013.01 - EP US); **Y10S 75/951** (2013.01 - US); **Y10T 428/12875** (2015.01 - EP US)

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)
WO 2007019990 A1 20070222; AT E428812 T1 20090515; CY 1109237 T1 20140702; DE 502006003473 D1 20090528; DK 1917370 T3 20090817; EP 1917370 A1 20080507; EP 1917370 B1 20090415; ES 2326042 T3 20090929; JP 2009504917 A 20090205; JP 5294859 B2 20130918; PL 1917370 T3 20090930; PT 1917370 E 20090720; SI 1917370 T1 20091031; US 2008295925 A1 20081204; US 7736752 B2 20100615

DOCDB simple family (application)
EP 2006007835 W 20060808; AT 06776674 T 20060808; CY 091100738 T 20090714; DE 502006003473 T 20060808; DK 06776674 T 20060808; EP 06776674 A 20060808; ES 06776674 T 20060808; JP 2008526409 A 20060808; PL 06776674 T 20060808; PT 06776674 T 20060808; SI 200630345 T 20060808; US 3129208 A 20080214