

Title (en)

Plasma torch device and method for carrying out an electrode thereof

Title (de)

Plasmabrenner und Verfahren zur Elektrodenausführung dafür

Title (fr)

Dispositif de torche à plasma et procédé de réalisation d'une électrode pour ce dispositif

Publication

EP 1993331 A3 20120104 (EN)

Application

EP 08156329 A 20080516

Priority

IT BO20070361 A 20070518

Abstract (en)

[origin: EP1993331A2] Plasma torch device comprising at least a nozzle (2) provided with a plasma outlet (3) and containing an electrode (4) whose terminal portion turned towards the plasma outlet (3) has a housing in which an insert (5) is blocked. Said electrode is also provided with an inner longitudinal cavity (6) having an opened end (7) and a closed end (8) towards the end portion having the insert (5). The closed end (8) of the electrode has a shaped portion (9) having shape almost conical protruding inside the longitudinal cavity (6) and with the vertex (10) turned towards the opened end (7) of said cavity (6).

IPC 8 full level

H05H 1/34 (2006.01)

CPC (source: EP US)

H05H 1/34 (2013.01 - EP US)

Citation (search report)

- [X] US 2006102598 A1 20060518 - TWAROG PETER J [US], et al
- [X] EP 0820216 A1 19980121 - TRAFIMET SPA [IT]
- [XA] US 4059743 A 19771122 - ESIBIAN EDUARD MIGRANOVICH, et al
- [XA] US 5023425 A 19910611 - SEVERANCE JR WAYNE S [US]
- [XA] US 6114650 A 20000905 - MARNER ALFRED WILLIAM [US], et al
- [XA] US 5124525 A 19920623 - SEVERANCE JR WAYNE S [US], et al
- [A] WO 2006122410 A1 20061123 - HUYS IND LTD [CA], et al

Cited by

CN102851083A; CN105519239A; US10076019B2

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

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