

Title (en)

TRANSFERRED-ARC PLASMA TORCH

Title (de)

PLASMABRENNER MIT ÜBERTRAGENEM LICHTBOGEN

Title (fr)

TORCHE A PLASMA A ARC TRANSFERE

Publication

**EP 1994808 A1 20081126 (FR)**

Application

**EP 07726439 A 20070220**

Priority

- EP 2007051618 W 20070220
- FR 0650625 A 20060223

Abstract (en)

[origin: FR2897747A1] The torch has a metallic through tube (25) cooled by using coolant e.g. water, and a sacrificial electrode (30) e.g. graphite electrode, inserted in the tube. An electrode supplying unit supplies the electrode and comprises an electrode moving device (60) e.g. motorized roller, moving the electrode towards a distal end of the torch. A guiding and maintaining unit (40) ensures the guiding and fixation of a head of the torch on a body of the torch in a predetermined position.

IPC 8 full level

**H05H 1/48** (2006.01); **H05H 1/34** (2006.01)

CPC (source: EP KR US)

**B05B 7/224** (2013.01 - EP KR); **H05H 1/3421** (2021.05 - EP KR); **H05H 1/3425** (2021.05 - EP KR US); **H05H 1/3421** (2021.05 - US)

Citation (search report)

See references of WO 2007096357A1

Cited by

CN105554997A

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 2897747 A1 20070824; FR 2897747 B1 20080919**; CN 101390454 A 20090318; CN 101390454 B 20151125; EP 1994808 A1 20081126; EP 1994808 B1 20140409; JP 2009527882 A 20090730; JP 5226536 B2 20130703; KR 101376626 B1 20140320; KR 20080095256 A 20081028; RU 2008137802 A 20100327; RU 2456780 C2 20120720; US 2009261081 A1 20091022; US 9686850 B2 20170620; WO 2007096357 A1 20070830

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