

Title (en)

NOZZLE FOR A NARROW BEVEL ANGLE PLASMA TORCH AND PLASMA TORCH COMPRISING THE SAME

Title (de)

DÜSE FÜR EINEN SCHMALEN FASENWINKELPLASMABRENNER UND PLASMABRENNER MIT DIESER

Title (fr)

BUSE POUR TORCHE À PLASMA AYANT UN ANGLE DE BISEAU ÉTROIT ET TORCHE À PLASMA LE COMPRENANT

Publication

**EP 3264867 A1 20180103 (EN)**

Application

**EP 16177579 A 20160701**

Priority

EP 16177579 A 20160701

Abstract (en)

The invention relates to a nozzle (1) for a narrow bevel angle plasma torch (2). The nozzle (1) comprises a nozzle axis (3), a mounting section (4) for mounting the nozzle (1) onto a plasma torch (2), a tip section (5) for guiding a plasma beam and a main canal (6) for housing an electrode (7) of the plasma torch (2). The main canal (6) extends through the nozzle (1) via the mounting section (4) and the tip section (5). The nozzle (1) further comprises a nozzle cooling canal (8) for guiding a cooling fluid through the nozzle (1), wherein the nozzle cooling canal (8) is separated from the main canal (6). Furthermore, the invention relates to a plasma torch system (13) for a narrow bevel angle plasma welding device, wherein the plasma torch system (13) comprises a nozzle (1) of that kind.

IPC 8 full level

**H05H 1/28** (2006.01); **H05H 1/34** (2006.01)

CPC (source: EP US)

**H05H 1/28** (2013.01 - EP); **H05H 1/34** (2013.01 - EP US); **H05H 1/3478** (2021.05 - EP)

Citation (search report)

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CN113993264A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3264867 A1 20180103**

DOCDB simple family (application)

**EP 16177579 A 20160701**