

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

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Application

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Priority

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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

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CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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