

Title (en)

NOZZLE FOR A LIQUID-COOLED PLASMA BURNER, ARRANGEMENT THEREOF WITH A NOZZLE CAP AND LIQUID-COOLED PLASMA BURNER COMPRISING SUCH AN ARRANGEMENT

Title (de)

DÜSE FÜR EINEN FLÜSSIGKEITSGEKÜHLTEN PLASMABRENNER, ANORDNUNG AUS DERSELBEN UND EINER DÜSENKAPPE SOWIE FLÜSSIGKEITSGEKÜHLTER PLASMABRENNER MIT EINER DERARTIGEN ANORDNUNG

Title (fr)

BUSE POUR TORCHE À PLASMA REFROIDIE À LIQUIDE, DISPOSITIF COMPRENANT CETTE BUSE ET UN CAPUCHON POUR BUSE, ET TORCHE À PLASMA REFROIDIE À LIQUIDE PRÉSENTANT LEDIT DISPOSITIF

Publication

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Application

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Abstract (en)

[origin: WO2009124524A1] The invention relates to a liquid-cooled plasma burner, comprising a nozzle bore for the plasma gas jet to exit at a nozzle tip and a first section whose outer surface gradually tapers in the shape of a cone at an angle  $\alpha$  in the direction of the nozzle tip, except for at least one deflection section that extends in the shape of a cone at an angle  $\beta$  in the direction of the nozzle tip. The invention also relates to an arrangement thereof with a nozzle cap and to a plasma burner comprising such an arrangement.

IPC 8 full level

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