

Title (en)

Plasma torch with non-cooled plasma gas injection.

Title (de)

Plasmabrenner mit nicht gekühlter Plasmagasinjektion.

Title (fr)

Torche à plasma à injection non refroidie de gaz plasmogène.

Publication

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Application

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Priority

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Abstract (en)

[origin: EP0427591A1] The present invention relates to a plasma torch of the type comprising: - two tubular and coaxial electrodes (5 and 6), one a continuation of the other, each of them being arranged in a holder (3 and 4) in which there is provision for a cooling circuit (8 and 9) for the corresponding electrode; - means (12) for producing an initiating of an electric arc between the two electrodes, and, - means (16) for injecting a plasma-forming gas between said electrodes, comprising a component of revolution (17) coaxial with the said electrodes and defining with the latter and their holders a chamber (18) in which, by virtue of transverse orifices (17B) made in the component, the plasma-forming gas is injected. According to the invention, the said component of revolution (17) is devoid of internal means of cooling. <IMAGE>

IPC 1-7

H05H 1/34

IPC 8 full level

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CPC (source: EP KR US)

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