

Title (en)

Method and apparatus for generating plasma flame jet.

Title (de)

Verfahren und Vorrichtung zur Erzeugung eines Plasmaflammenstrahles.

Title (fr)

Méthode et dispositif pour générer un jet de flammes de plasma.

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a method and an apparatus for generating a plasma flame jet. An ultra-high velocity and temperature plasma jet is generated by directly converting fuel gas into a plasma-forming gas. Also various temperatures and velocities of a plasma are provided by combining electrical and thermal energies. The methodes and apparatus of the present invention can be utilized in thermo-treatment, coating, cutting, welding and dehydrating, pulverizing or reducing metals, ceramics or the like, and as a plasma furnace or the like. <IMAGE>

IPC 1-7

B05B 7/22; **H05H 1/32**; **H05H 1/34**

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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