

Title (en)

Non-clogging high efficiency plasma torch

Title (de)

Nichtverstopfender hochleistungsfähiger Plasmabrenner

Title (fr)

Torche à plasma anti-bouchage de haut rendement

Publication

**EP 0465140 B1 19970129 (EN)**

Application

**EP 91305854 A 19910628**

Priority

US 54726690 A 19900702

Abstract (en)

[origin: EP0465140A2] An arc-heated plasma lance which is not exposed to clogging by superheat hydrocarbon gases is characterized by a shorter downward electrode and a generally shorter length of the upward and downward electrodes combination, with a flaring out electrode end at the outlet port for receiving the arc roots of the downward electrode, thereby to provide increased efficiency and generate radiant energy, as well as insuring non-clogging operation. <IMAGE>

IPC 1-7

**H05H 1/34**

IPC 8 full level

**F23D 14/52** (2006.01); **H05H 1/34** (2006.01); **H05H 1/40** (2006.01); **H05H 1/28** (2006.01)

CPC (source: EP US)

**H05H 1/34** (2013.01 - EP US); **H05H 1/3431** (2021.05 - EP); **H05H 1/40** (2013.01 - EP); **H05H 1/28** (2013.01 - EP)

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DOCDB simple family (publication)

**EP 0465140 A2 19920108**; **EP 0465140 A3 19920708**; **EP 0465140 B1 19970129**; CA 2044991 A1 19920103; DE 69124429 D1 19970313; DE 69124429 T2 19970814; JP H04227405 A 19920817

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**EP 91305854 A 19910628**; CA 2044991 A 19910619; DE 69124429 T 19910628; JP 18927791 A 19910702