

Title (en)

Arc plasma torch and method of application

Title (de)

Lichtbogenplasmabrenner und Verfahren zu seiner Anwendung

Title (fr)

Torche à plasma d'arc et procédé de mise en oeuvre

Publication

EP 0591018 B1 19970305 (FR)

Application

EP 93402214 A 19930913

Priority

FR 9212110 A 19921002

Abstract (en)

[origin: EP0591018A1] The electrode structure (15, 16, 17) is normally separated from the nozzle (3) by a spring (31), the rear part (15) of the electrode structure forming a piston means with two opposite faces (24, 25) sequentially exposed to the pressure of the plasma-generating gas when the torch is pressurised so as first to bring the electrode (17) into short-circuit contact with the nozzle (3), then secondly, and when the torch is operated, to hold the electrode (17) away from the nozzle (3). Application in particular to arc plasma (plasma discharge) cutting. <IMAGE>

IPC 1-7

H05H 1/34

IPC 8 full level

H05H 1/34 (2006.01)

CPC (source: EP US)

H05H 1/34 (2013.01 - EP US)

Cited by

EP2442626B1; EP0820216A1; US5859403A; EP0817547A1; FR2750286A1; CN110383956A; RU2760973C2; EP4050975A1; US11432393B2; US10912183B2; US11684995B2; US6969819B1; WO2012021236A1; WO2021136563A1; US8283594B2; US8729423B2; WO2018148496A1; WO2018148495A1; US10335888B2; US11770891B2; US11991813B2; EP3581001B1

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