

Title (en)

WELDING OR CUTTING PLASMA TORCH WITH NOZZLE UNIT

Publication

EP 0193456 B1 19880706 (FR)

Application

EP 86400342 A 19860219

Priority

FR 8502553 A 19850222

Abstract (en)

[origin: ES8704694A1] The plasma welding or cutting torch comprises a hollow torch body (1) whose interior is connected to a source of plasma-producing gas, an electrode (2) disposed inside the body (1) and electrically connected to an electrical supply conductor, and a nozzle (3) provided with a plasma outlet orifice (34). This torch is characterized in that it comprises a cartridge (60) which cannot be disassembled and comprises an annular skirt (4) assembled by screwing with the torch body (1) and having a seat (18b) for the nozzle (3) which is freely slidably mounted in the skirt (4) and applied against the seat (18b) solely by the pressure of the plasma-producing gas.

IPC 1-7

H05H 1/34

IPC 8 full level

B23K 10/00 (2006.01); **H05H 1/34** (2006.01)

CPC (source: EP US)

H05H 1/34 (2013.01 - EP US); **H05H 1/3436** (2021.05 - EP); **H05H 1/3442** (2021.05 - EP); **H05H 1/3436** (2021.05 - US); **H05H 1/3442** (2021.05 - US)

Cited by

DE3840459A1; DE4138897A1; EP0326445A1; FR2626206A1; US4914271A; EP0278797B1

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