

Title (en)
CARTRIDGE TYPE PLASMA TORCH

Title (de)
PATRONENARTIGER PLASMABRENNER

Title (fr)
CHALUMEAU A PLASMA DE TYPE CARTOUCHE

Publication
EP 0875329 A1 19981104 (EN)

Application
EP 96938458 A 19961113

Priority
• JP 9603331 W 19961113
• JP 32230195 A 19951115

Abstract (en)
A cartridge type plasma torch in which expendables can easily be replaced, cooling water and operation gas are securely sealed when expendables are replaced, and the accessibility to a work piece during operation can be improved. For this purpose, the cartridge type plasma torch includes an expendable cartridge (2) including an electrode (4) and /or a torch nozzle (3), and a torch main body (30) which has supply lines for supplying cooling water and operational gas to the expendable cartridge (2), and which allows the expendable cartridge (2) to be mounted and / or dismounted from an end opposite to an arc injection port (20) when viewed in a longitudinal direction of the torch. <IMAGE>

IPC 1-7
B23K 10/00

IPC 8 full level
B23K 10/00 (2006.01); **H05H 1/34** (2006.01)

CPC (source: EP KR US)
H05H 1/28 (2013.01 - KR); **H05H 1/34** (2013.01 - EP US); **H05H 1/3478** (2021.05 - EP KR)

Cited by
FR3008271A1; US10456855B2; US10413991B2; US11278983B2; US9900972B2; US11684995B2; US9981335B2; US10960485B2; US11432393B2; US11684994B2; US10278274B2; US10555410B2; US10561009B2; US10609805B2; US11665807B2; US10321551B2; US10462891B2; US10582605B2; US11770891B2; US11991813B2

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 0875329 A1 19981104; **EP 0875329 A4 19990901**; CA 2237668 A1 19970522; JP H09141446 A 19970603; KR 970025816 A 19970624; TW 305789 B 19970521; WO 9718056 A1 19970522

DOCDB simple family (application)
EP 96938458 A 19961113; CA 2237668 A 19961113; JP 32230195 A 19951115; JP 9603331 W 19961113; KR 19960054069 A 19961114; TW 85111500 A 19960920