

Title (en)
Apparatus for positioning and withdrawing a plasma arc torch in an installation working at such a pressure and temperature that a direct intervention is impossible.

Title (de)
Vorrichtung zum Anbringen und Entfernen eines Plasmabrenners in einen Apparat, der unter einem solchen Druck und einer solchen Temperatur arbeitet, dass direktes Arbeiten unmöglich ist.

Title (fr)
Dispositif pour la mise à poste et le retrait d'une torche à plasma sur un appareil fonctionnant sous pression et température interdisant une intervention directe.

Publication
EP 0363247 A1 19900411 (FR)

Application
EP 89402601 A 19890922

Priority
FR 8812898 A 19881003

Abstract (en)
[origin: JPH02168597A] PURPOSE: To make arrangement of torch and drawing in process easy and highly reliable by installing a variable airtight capacity in the upstream of a valve to close a connection sleeve of a torch and balancing the pressure of the capacity and the pressure in the downstream of the valve before opening the valve and arranging a torch. CONSTITUTION: The pressure applied to a capacitor in the upstream of a valve 5 and the pressure applied to the downstream are made equal by opening a cock 13. Then, the valve 5 is opened, a torch 4 is slid on a guiding axis 4, and a nozzle 12 is introduced into a variable airtight capacity surrounded with a sleeve 3 and a seal 2. The seal 2 has a C-shaped cross-section and is made of a metal and the nozzle 12 is efficiently cooled through the sleeve 3 and the seal 2.

Abstract (fr)
Ce dispositif comprend en combinaison au moins un joint d'étanchéité circulaire (2) intercalé entre la paroi interne de la manchette (3) et le nez (12) de la torche (4) et entourant celui-ci, des moyens (6, 13) pour équilibrer les pressions de part et d'autre de la vanne (5), et des moyens (18, 23) pour refroidir le joint. Lesdits moyens pour équilibrer les pressions de part et d'autre de la vanne comprennent un tuyau (6) de mise en communication contournant la vanne (5), et un robinet (13) intercalé sur ce tuyau.

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C21B 5/00

IPC 8 full level
H05H 1/32 (2006.01); **C21B 5/00** (2006.01)

CPC (source: EP US)
C21B 5/002 (2013.01 - EP US)

Citation (search report)

- [A] GB 2167843 A 19860604 - SKF STEEL ENG AB
- [A] US 4477248 A 19841016 - DULAC ROBERT R [US]
- [A] US 2924269 A 19600209 - GENOVESE CHARLES E
- [A] US 3749803 A 19730731 - CAMACHO S
- [A] GB 2166029 A 19860423 - SKF STEEL ENG AB

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EP 0363247 A1 19900411; EP 0363247 B1 19930623; CA 1311532 C 19921215; DE 68907306 D1 19930729; DE 68907306 T2 19930930; ES 2042035 T3 19931201; FR 2637442 A1 19900406; FR 2637442 B1 19901102; JP H02168597 A 19900628; JP H0665196 B2 19940822; US 4972063 A 19901120

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