

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

Publication

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Application

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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.

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