

Title (en)
RELEASE DEVICE FOR AN ELECTRODE SUPPORT IN ELECTRICAL FUSION FURNACES

Publication
EP 0036473 B1 19831012 (DE)

Application
EP 81100456 A 19810122

Priority
DE 3010894 A 19800321

Abstract (en)
[origin: ES8201301A1] An electrode holder is disclosed particularly for smelting furnaces which comprises an electrode arm, a fixed contact to the arm and a movable contact movably mounted to the arm. A biasing spring is connected in the mounting of the movable contact on the electrode arm to bias the movable contact toward the fixed contact to hold an electrode between the two contacts. A fluid pressure cylinder is provided in the electrode arm which acts on the movable contact to counteract the force of the spring to release the electrode from between the contacts. The fluid pressure cylinder is supplied by a fluid motor, fluid pump and fluid reservoir combination which is mounted as a constructional unit within the electrode arm. The fluid may be hydraulic or pneumatic. Electrical power is supplied to the motor by an electric line and air is supplied to a compartment containing the motor pump and reservoir combination. Flexible pressure fluid lines are therefore not required.

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H05B 7/103

IPC 8 full level
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Cited by
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