

Title (en)
ELECTRIC SURFACE-POLISHING DEVICE

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Application
EP 88908666 A 19881010

Priority
DE 8800626 W 19881010

Abstract (en)
[origin: WO9004053A1] An electric surface-polishing device has a housing (60) closed on all sides, except the side that faces the surface to be electrically polished. The housing (60) can be moved by a guiding device (4, 12, 14, 28) along the surface (48) to be electrically polished. A seal (62) is arranged between the edge of the housing and the surface to be electrically polished. An electrode (56) is held in the housing and accessory devices (41, 42) for supplying current and fluid electrolyte are connected to the housing. In order to remove as much as possible of the electrolyte residues from the electrically polished surfaces, the housing (60) is arranged with the electrode (56) inside an outer housing (34) closed on all sides, except on the side that faces the surface to be polished. The outer housing has a seal (50) arranged on its edge and is provided with connections (86, 88) for delivering and removing a rinsing fluid, as well as with passages for delivering and removing the fluid electrolyte to and from the inner housing (60). The electrolyte residues remaining on parts of the electrically polished surfaces are thus rinsed away immediately behind the inner housing. The invention is particularly useful for electrically polishing the inner walls of containers, pipes and other parts of installations in the chemical and nuclear industries.

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C25F 7/00; G21F 9/00

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C25F 7/00 (2013.01); **G21F 9/004** (2013.01)

Citation (examination)

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