

Title (en)
APPARATUS FOR THE ELECTRODEPOSITION OF ALUMINIUM

Publication
EP 0056844 B1 19850821 (DE)

Application
EP 81108374 A 19811015

Priority
DE 3102021 A 19810122

Abstract (en)
[origin: US4415422A] An improved galvanizing device for the galvanic precipitation of aluminum from an anhydrous, aprotic, and oxygen-free aluminum-organic electrolyte is provided. The known device having an annularly shaped galvanizing trough, which is sealed from the atmosphere and which utilizes a centrally located, rotatable support mechanism which guides the goods carriers through the electrolyte in a circular, rotating manner, and also furnishes the goods carriers with an electrical contact, is herein provided with separate charging and discharging locks attached to the galvanizing trough. Each of the locks is provided with a U-shaped fluid lock to maintain the gaseous seal and an endless chain conveyor to transport the goods carriers to and from the galvanizing trough. Additionally, the anode plates which are located in the electrolyte trough are provided with a transport rod to permit their removal and replacement in a manner similar to that utilized with the goods carriers.

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C25D 17/00

IPC 8 full level
C25D 17/00 (2006.01)

CPC (source: EP US)
C25D 17/00 (2013.01 - EP US); **C25D 17/004** (2013.01 - EP US); **C25D 17/10** (2013.01 - EP US)

Cited by
US4759831A; CN104451816A

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AT BE CH DE FR GB IT LI NL SE

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EP 0056844 A1 19820804; **EP 0056844 B1 19850821**; AT E15081 T1 19850915; DE 3102021 A1 19820729; DE 3102021 C2 19840223; DE 3171930 D1 19850926; US 4415422 A 19831115

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EP 81108374 A 19811015; AT 81108374 T 19811015; DE 3102021 A 19810122; DE 3171930 T 19811015; US 33094281 A 19811215