Title (en)

ELECTROLYSIS APPARATUS FOR PRODUCING HALOGEN GASES

Title (de)

ELEKTROLYSEAPPARAT ZUR HERSTELLUNG VON HALOGENGASEN

Title (fr)

APPAREIL D'ELECTROLYSE POUR PRODUIRE DES GAZ HALOGENES

Publication

EP 0946790 B1 20011017 (DE)

Application

EP 97937576 A 19970813

Priority

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- EP 9704402 W 19970813

Abstract (en)

[origin: US6282774B1] When applied to an electrolyser for producing halogen gases from aqueous alkali halogenide solution using several plate-like electrolysis cells arranged side by side in a stack whilst electrically connected, each cell being encased in two semi-shells made from electroconductive material with contact strips on the outer side of at least one of the casing's rear walls, the anode and the cathode being separated from one another by a partition, arranged parallel to one another and electrically connected to the rear wall of the respective casing via metal reinforcements, the current-carrying surface should be as large as possible to avoid uneven current distribution. This is achieved by the fact that the metal reinforcements are in the form of solid plates (10) which are flush with the contact strips (7) and whose side edges run up the entire height of the rear wall (3A, 4A) and the anode (8) or cathode (9).

IPC 1-7

C25B 9/00; C25B 9/04

IPC 8 full level

C25B 9/17 (2021.01); **C25B 15/08** (2006.01)

CPC (source: EP US)

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US 6282774 B1 20010904; AR 008492 A1 20000119; AT E207140 T1 20011115; AU 4015197 A 19980505; AU 721458 B2 20000706; BR 9712266 A 19990824; CA 2265738 A1 19980416; CA 2265738 C 20110125; CN 1174120 C 20041103; CN 1232512 A 19991020; CZ 83999 A3 19991013; DE 19641125 A1 19980416; DE 59705007 D1 20011122; EP 0946790 A1 19991006; EP 0946790 B1 20011017; HU P9903787 A2 20000428; ID 18532 A 19980416; IL 129245 A0 20000217; IL 129245 A 20011223; IN 192330 B 20040410; JO 1983 B1 19971215; JP 2001506314 A 20010515; JP 4086321 B2 20080514; KR 100496750 B1 20050622; KR 20000048491 A 20000725; MA 24362 A1 19980701; MY 117917 A 20040830; NO 319567 B1 20050829; NO 991461 D0 19990325; NO 991461 L 19990325; PL 188243 B1 20050131; PL 332512 A1 19990913; RO 119632 B1 20050128; RU 2176289 C2 20011127; SK 35999 A3 19990712; TR 199900616 T2 19990621; WO 9815675 A1 19980416; ZA 978862 B 19990406

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