

Title (en)

ELECTROLYTIC APPARATUS FOR THE PRODUCTION OF CHLORINE FROM AQUEOUS ALKALI HALOGENIDE SOLUTIONS

Publication

EP 0020887 B1 19840606 (DE)

Application

EP 80101798 A 19800403

Priority

DE 2914869 A 19790412

Abstract (en)

[origin: US4309264A] The electrolysis apparatus for the manufacture of chlorine from aqueous alkali metal halide solutions has at least one electrolysis cell the electrodes of which, separated by a separating wall, are arranged in a housing of two hemispherical shells. The housing is furthermore provided with equipment for the feed of the starting materials for electrolysis, and equipment for the discharge of the electrolysis products. The separating wall is clamped by means of sealing elements between the rims of the hemispherical shells and positioned between power transmission elements of non-conductive material. The electrodes are fastened via spacers to the shells and connected mechanically and electrically with the shells via the rims thereof. The hemispherical shells of adjacent cells are positioned flatwise one upon the other, and the end positioned shells of the electrolysis apparatus are supported by pressure compensation elements.

IPC 1-7

C25B 1/46; **C25B 9/00**; **C25B 11/00**

IPC 8 full level

C25B 1/46 (2006.01); **C25B 11/00** (2006.01)

CPC (source: EP US)

C25B 9/73 (2021.01 - EP US)

Cited by

EP0172495A3; DE4212678A1; EP0661389A1; EP0400712A1; FR2647468A1; EP0456295A1; EP0523669A1; KR100921199B1; EP0608028A1; US5425864A

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DOCDB simple family (publication)

US 4309264 A 19820105; AR 226057 A1 19820531; AT E7802 T1 19840615; AU 532943 B2 19831020; AU 5737880 A 19801016; BR 8002251 A 19801202; CA 1145707 A 19830503; DE 2914869 A1 19801030; DE 3068097 D1 19840712; EP 0020887 A1 19810107; EP 0020887 B1 19840606; ES 490265 A0 19801201; ES 8100680 A1 19801201; FI 68089 B 19850329; FI 68089 C 19850710; FI 801145 A 19801013; IN 152210 B 19831119; JP S55141583 A 19801105; NO 153580 B 19860106; NO 153580 C 19860416; NO 801060 L 19801013; ZA 802172 B 19810527

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US 13888680 A 19800410; AR 28063580 A 19800410; AT 80101798 T 19800403; AU 5737880 A 19800411; BR 8002251 A 19800411; CA 349643 A 19800411; DE 2914869 A 19790412; DE 3068097 T 19800403; EP 80101798 A 19800403; ES 490265 A 19800402; FI 801145 A 19800410; IN 402CA1980 A 19800407; JP 4696680 A 19800411; NO 801060 A 19800411; ZA 802172 A 19800411