

Title (en)

Parallel operating of amalgam and membrane electrolytic cells

Title (de)

Parallel Betrieb von Amalgamelektrolyseuren und Membranelektrolyseuren

Title (fr)

Fonctionnement en parallèle de cellules d'électrolyse à cathode de mercure et à membrane

Publication

**EP 1061158 A3 20001227 (DE)**

Application

**EP 00111000 A 20000530**

Priority

DE 19926887 A 19990612

Abstract (en)

[origin: US6224740B1] The invention relates to a process for the electrolysis of sodium chloride-containing brine with parallel operation of amalgam electrolysis units (5) and membrane electrolysis units (4) with a common brine circuit using a mercury-resistant oxygen consumable cathode in the membrane electrolysis unit (4).

IPC 1-7

**C25B 1/34**

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [A] DE 3543379 A1 19870611 - METALLGESELLSCHAFT AG [DE]
- [A] US 5746896 A 19980505 - SHIMAMUNE TAKAYUKI [JP], et al
- [A] A.J. ACIOLI MACIEL: "Combination of the amalgam cell and the membrane cell processes for chlor-alkali production", JOURNAL OF APPLIED ELECTROCHEMISTRY, vol. 22, no. 8, 1992, pages 699 - 704, XP000288504

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CN106216360A; US8377284B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 6224740 B1 20010501**; AT E264412 T1 20040415; BR 0002624 A 20010102; CA 2311042 A1 20001212; CN 1277269 A 20001220; DE 19926887 A1 20001214; DE 50006039 D1 20040519; EP 1061158 A2 20001220; EP 1061158 A3 20001227; EP 1061158 B1 20040414; ES 2219223 T3 20041201; JP 2001029956 A 20010206; KR 20010049521 A 20010615; NO 20002992 D0 20000609; NO 20002992 L 20001213; SG 87894 A1 20020416; TW 539774 B 20030701; ZA 200002914 B 20001212

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