

Title (en)

ELECTRODE ARRANGEMENT FOR AN ELECTROLYSER PRODUCING A GAS, FEATURING VERTICALLY DISPOSED ELECTRODE PLATES

Publication

**EP 0274138 B1 19920115 (DE)**

Application

**EP 87201843 A 19870925**

Priority

DE 3640584 A 19861127

Abstract (en)

[origin: US4839013A] In an electrode assembly for gas-forming electrolyzers, particularly for monopolar membrane electrolyzers comprising vertical plate electrodes and opposite electrodes and a membrane between the plate electrode and the opposite electrode, the distribution of current in the membrane is improved and the voltage drop is decreased in that the plate electrodes are provided on that surface which faces the membrane with ante-electrodes, which consist of apertured, electrically conducting surface structures, which are electrically conductively connected to the plate electrodes and extend in planes which are parallel to the plate electrodes.

IPC 1-7

**C25B 11/03**

IPC 8 full level

**C25B 9/00** (2006.01); **C25B 9/08** (2006.01); **C25B 9/18** (2006.01); **C25B 9/20** (2006.01); **C25B 11/02** (2006.01); **C25B 11/03** (2006.01)

CPC (source: EP US)

**C25B 11/03** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

**US 4839013 A 19890613**; AT E71672 T1 19920215; AU 594214 B2 19900301; AU 8182087 A 19880602; BR 8706360 A 19880726; CA 1312844 C 19930119; DE 3640584 A1 19880609; DE 3776122 D1 19920227; EP 0274138 A1 19880713; EP 0274138 B1 19920115; ES 2029683 T3 19920901; FI 82488 B 19901130; FI 82488 C 19910311; FI 874376 A0 19871006; FI 874376 A 19880528; IN 165046 B 19890805; JP S63140093 A 19880611; ZA 878895 B 19890726

DOCDB simple family (application)

**US 10718187 A 19871009**; AT 87201843 T 19870925; AU 8182087 A 19871126; BR 8706360 A 19871125; CA 547986 A 19870928; DE 3640584 A 19861127; DE 3776122 T 19870925; EP 87201843 A 19870925; ES 87201843 T 19870925; FI 874376 A 19871006; IN 228CA1987 A 19870324; JP 29962187 A 19871127; ZA 878895 A 19871126