

Title (en)
VERTICAL ELECTRODE PLATE FOR GAS-FORMING ELECTROLYZERS

Publication
EP 0102099 B1 19871021 (DE)

Application
EP 83201053 A 19830716

Priority
DE 3228884 A 19820803

Abstract (en)
[origin: US4474612A] In gas-forming electrolyzers, particularly membrane electrolyzers having vertically extending plate electrodes, each electrode plate is divided into horizontal strips and the entire active electrode surface is parallel to the counterelectrode and spaced from it as closely as possible. The top portions of each of the horizontal strips into which the electrode is divided define gas escape paths and extend away from the counterelectrode. To improve the degassing of the electrolyte the ratio of the distance G between the counterelectrode or membrane and the gas-defining line S at the lower edge of each electrode strip to the distance E between the counterelectrode or membrane and the breakaway edge K of the angled portion defining the gas escape path corresponds to a degassing capability F which is lower than 0.6.

IPC 1-7
C25B 11/03

IPC 8 full level
C25B 1/46 (2006.01); **C25B 9/19** (2021.01)

CPC (source: EP US)
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Cited by
DE4306889C1; EP0776996A1

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EP 0102099 A1 19840307; EP 0102099 B1 19871021; AT E30343 T1 19871115; BR 8304151 A 19840313; CA 1228571 A 19871027; DE 3228884 A1 19840209; DE 3374139 D1 19871126; ES 284413 U 19850601; ES 284413 Y 19860116; IN 157978 B 19860809; JP H062959 B2 19940112; JP S5943885 A 19840312; MX 153006 A 19860716; US 4474612 A 19841002; US 4474612 B1 19890103; ZA 835568 B 19850327

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