

Title (en)
Cell.

Title (de)
Zelle.

Title (fr)
Cellule.

Publication
EP 0599363 A1 19940601 (EN)

Application
EP 93202985 A 19931026

Priority
SE 9203514 A 19921123

Abstract (en)
The invention relates to a cell for electrolysis where gas is generated, which cell comprises separate anode and cathode compartments separated by at least one ion selective membrane (12, 12a, 12b). At least one of the anode and cathode compartments of the cell is designed for electrolysis where gas is generated and comprises at least one substantially vertical electrode (1, 1a, 1b), the front side of which is facing a membrane (12, 12a, 12b), and at least one partition (3a, 3b), so as to form at least two substantially vertical channels (4, 4a, 4b, 5, 5a, 5b) and a space (8) of larger cross-sectional area located above the partition, of which a first channel (4, 4a, 4b) for upward transport of gas-rich electrolyte is defined by the partition and the electrode while a second channel (5, 5a, 5b) for downward transport of gas-deficient electrolyte, as seen from the electrolyte (1, 1a, 1b), is located behind said first channel (4a, 4b), the partition (3a, 3b) being arranged such that gas-rich electrolyte which is transported upwards in the first channel (4a, 4b) is subjected to a venturi effect so that the main part of the gas is separated off in an area adjacent the upper edge of the electrode and the main part of the electrolyte is recycled downwards through the second channel (5, 5a, 5b). The invention also relates to the making of such a cell and to the use thereof in electrolysis.

IPC 1-7
C25B 15/08; **C25B 11/02**

IPC 8 full level
C25B 9/08 (2006.01); **C25B 9/19** (2021.01); **C25B 11/02** (2006.01); **C25B 15/08** (2006.01)

CPC (source: EP)
C25B 9/19 (2021.01); **C25B 11/02** (2013.01); **C25B 15/08** (2013.01)

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Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)
EP 0599363 A1 19940601; BR 9304749 A 19940531; CA 2103216 A1 19940524; CN 1090340 A 19940803; SE 9203514 D0 19921123; SE 9203514 L 19940524

DOCDB simple family (application)
EP 93202985 A 19931026; BR 9304749 A 19931117; CA 2103216 A 19931116; CN 93114761 A 19931122; SE 9203514 A 19921123