Title (en)

Filterpresstype electrolytic-cell block for water electrolysis.

Title (de)

Elektrolysezellenblock vom Filterpressentyp für Wasserelektrolyse.

Title (fr)

Montage-bloc de cellules d'électrolyse du type filtre-pressepour l'èlectrolyse de l eau.

Publication

EP 0158760 A1 19851023 (EN)

Application

EP 84830092 A 19840329

Priority

EP 84830092 A 19840329

Abstract (en)

The filterpresstype electrolytic-cells of the present invention differentiate themselves from that presently available in the art by a modular structure and thus in that they are more simple and easy to be assembled. The mechanical elements (4) (5) (6) constituting the electrolytic cells (CE) are mechanically identical to constituting the condenser chambers (C) which are intended for condensating the steam present in the oxygen and the hydrogen there produced by electrolysis. The cooling, e.g. by air, of both the electrolytic cells (CE) and the condenser cells (C) is realised by using suitable passageways (5) provided within the electrodes elements (4) folded in U-form; said electrodes elements (4) ensuring a separating function and providing the cooling function in the condenser cells. The channels for the distribution of the electrolyte and for the withdrawal of the produced gases are formed by the compression to which are submitted cylindrical rings (6/1C, 6/2C) showing slits, provided in the structure of suitable spacing frames (6/1, 6/2) which allow the building up of the cells.

IPC 1-7

C25B 9/00

IPC 8 full level

C25B 9/20 (2006.01)

CPC (source: EP)

C25B 9/77 (2021.01)

Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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