

Title (en)

MODULAR FLOW FRAME FOR AN ELECTROCHEMICAL CELL, FLOW FRAME ELECTRODE UNIT, CELL, CELL STACK, AND METHOD FOR PRODUCING A FLOW FRAME

Title (de)

MODULARER FLUSSRAHMEN FÜR EINE ELEKTROCHEMISCHE ZELLE, FLUSSRAHMEN-ELEKTRODEN-EINHEIT, ZELLE, ZELLSTACK, SOWIE VERFAHREN ZUR HERSTELLUNG EINES FLUSSRAHMENS

Title (fr)

CADRE DE FLUX MODULAIRE DESTINÉ À UNE PILE ÉLECTROCHIMIQUE, UNITÉ CADRE À FLUX-ÉLECTRODES, PILE, EMPILEMENT DE PILES ET PROCÉDÉ DE FABRICATION D'UN CADRE À FLUX

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Application

EP 21835687 A 20211209

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Abstract (en)

[origin: WO2022128737A1] The invention relates to a modular flow frame (10) for an electrochemical cell, in particular for a cell of a redox flow battery stack, comprising a frame main part (14) which defines a frame opening (18), wherein the frame main part has a profiled cross-section, preferably a substantially U-shaped profiled cross-section, which is open on one side in the direction of the frame opening such that a profiled receiving area (26) which is open towards the frame opening is formed. The modular flow frame additionally comprises an insert (16) which is arranged in the profiled receiving area of the frame main part, wherein the insert has channel structures for distributing fluids in the frame opening. The invention additionally relates to a flow frame electrode unit, a cell, a cell stack, and a method for producing a flow frame.

IPC 8 full level

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