

Title (en)

MACHINE AND METHOD FOR THE ENERGY-CELL-PRODUCING INDUSTRY

Title (de)

MASCHINE UND VERFAHREN FÜR DIE ENERGIEZELLEN PRODUZIERENDE INDUSTRIE

Title (fr)

MACHINE ET PROCÉDÉ POUR INDUSTRIE DE PRODUCTION DE CELLULE D'ÉNERGIE

Publication

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Application

**EP 22747653 A 20220707**

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Abstract (en)

[origin: WO2023285274A1] The invention relates to a machine (10) for the energy-cell-producing industry, which comprises: at least one supply section (11) for supplying at least one continuous separator web (80, 81) and a continuous series of individual electrodes (93, 95); a collecting and connecting section (12) for laying the supplied materials one above the other, as a result of which a material formation (52) of materials (95, 80, 93, 81) laid one above the other is formed, which collecting and connecting section has a connecting device (14) for interconnecting the materials (95, 80, 93, 81) laid one above the other, as a result of which a continuous separator-electrode combined web (84) is produced; and a cutting and stacking section (13) having a cutting device (15) for cutting the separator-electrode combined web (84) into individual combined units (85), and a stacking station (28) for stacking combined units (85) in order to form a combined unit stack (90). The sections (11-13) of the machine (10) are designed as substantially continuously driven transport devices, and/or the transport speed in the supply section and the collecting and connecting section (11, 12) is constant or lies in a range of  $\pm 25\%$  about an average transport speed, and/or the transport speed in the supply section and the collecting and connecting section (11, 12) is at least 300 segments per minute.

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