

Title (en)

METHOD FOR MANUFACTURING A STACK OF A PLURALITY OF ELECTROCHEMICAL CELLS, AND APPARATUS FOR MANUFACTURING SUCH A STACK

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES STAPELS AUS EINER MEHRZAHL VON ELEKTROCHEMISCHEN ZELLEN UND VORRICHTUNG ZUR HERSTELLUNG EINES DERARTIGEN STAPELS

Title (fr)

PROCÉDÉ DE FABRICATION D'UN EMPILEMENT D'UNE PLURALITÉ DE CELLULES ÉLECTROCHIMIQUES, ET APPAREIL DE FABRICATION D'UN TEL EMPILEMENT

Publication

EP 4352806 A1 20240417 (DE)

Application

EP 22755082 A 20220720

Priority

- DE 102021118976 A 20210722
- EP 2022070282 W 20220720

Abstract (en)

[origin: WO2023001861A1] The invention relates to a method for manufacturing a stack (2) of a plurality of electrochemical cells that are each formed from at least one membrane component (10) and one bipolar plate (3) as the constituent components, said method comprising the steps of: a) erecting the components on their edge (11); b) feeding the components erected on their edge (11) to a shaking delivery unit (6) in order to align said components; c) forming the stack (2) from the aligned components. The invention also relates to an apparatus (19) for manufacturing such a stack (2).

IPC 8 full level

H01M 8/0297 (2016.01); **H01M 8/2404** (2016.01)

CPC (source: EP)

H01M 8/0297 (2013.01); **H01M 8/2404** (2016.02); **Y02E 60/50** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

DE 102021118976 A1 20230126; CN 117642892 A 20240301; EP 4352806 A1 20240417; WO 2023001861 A1 20230126

DOCDB simple family (application)

DE 102021118976 A 20210722; CN 202280050260 A 20220720; EP 2022070282 W 20220720; EP 22755082 A 20220720