

Title (en)

MATRIX INTEGRATING AT LEAST ONE HEAT EXCHANGE FUNCTION AND ONE DISTILLATION FUNCTION

Title (de)

MATRIX MIT MINDESTENS EINER WÄRMETAUSCHFUNKTION UND EINER DESTILLATIONSFUNKTION

Title (fr)

MATRICE INTÉGRANT AU MOINS UNE FONCTION D'ÉCHANGE THERMIQUE ET UNE FONCTION DE DISTILLATION

Publication

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Application

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- FR 1901869 A 20190225
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Abstract (en)

[origin: WO2020174169A1] Apparatus for transferring material and for direct heat exchange (100), consisting of a single stack of at least two solid metal plates (300) of rectangular cross section, each plate being separated from the adjacent plate, at least in a first material transfer and direct heat exchange zone (A, C, D) of the apparatus, by a group of hollow metal columns (200) that are aligned and have a polygonal cross section with at least two parallel surfaces, the channels being parallel to the given direction and contiguous with each other, the columns of each group each being in contact with the two metal plates on either side of the group, at least some of the columns of a group containing a means (230) for exchanging heat and material.

IPC 8 full level

F25J 3/04 (2006.01); **F25J 5/00** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2020174173A1

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Designated extension state (EPC)

BA ME

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