

Title (en)
DENSIMETRIC SEPARATION TABLE

Title (de)
DENSIMETRISCHER TRENNTISCH

Title (fr)
TABLE DE SÉPARATION DENSIMÉTRIQUE

Publication
EP 4289509 A1 20231213 (EN)

Application
EP 22382563 A 20220610

Priority
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Abstract (en)
Densimetric separation table. The table (1) comprises a main separation box (2) in which two materials are separated by means of the fluidification of the lightweight material and the vibration of a working base of the box (3). The table also comprises a fluidification channel (7) for the prior separation of the materials, comprising a conduit (8) with a channel treatment base (9) allowing the passage of an airflow therethrough, such that a first part of lightweight materials is directed to the suction system (6), a second part is directed to a lightweight material outlet (4), and a third part is directed to the working box (2) mixed with the heavy material. The table comprises a fan (10) for generating the airflow and a duct (11) through which the airflow is directed to the conduit (8) where it is forced through the channel treatment base (9).

IPC 8 full level
B03B 4/02 (2006.01)

CPC (source: EP)
B03B 4/02 (2013.01)

Citation (applicant)

- US 2022048041 A1 20220217 - TROJOSKY MATHIAS [DE], et al
- ES 1077288 U 20120627 - RECUPERACIONES LORCA S L [ES]
- FR 2696661 A1 19940415 - SOREMA RECYCLAGE MATERIAUX SA [FR]

Citation (search report)

- [X] US 2040196 A 19360512 - HENRY BERRISFORD WILLIAM
- [X] DE 946521 C 19560802 - KLOECKNER HUMBOLDT DEUTZ AG
- [I] BE 461343 A 19451231
- [I] DE 4318472 A1 19941208 - HAPPLE GMBH & CO MASCHF [DE]

Designated contracting state (EPC)
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BA ME

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