

Title (en)

DEVICE FOR SEPARATING CONGLOMERATES THAT CONSIST OF MATERIALS OF DIFFERENT DENSITIES

Title (de)

VORRICHTUNG ZUM AUFTRENNEN VON KONGLOMERATEN, DIE AUS MATERIALIEN UNTERSCHIEDLICHER DICHTEN BESTEHEN

Title (fr)

DISPOSITIF POUR LA SÉPARATION DE CONGLOMÉRATS COMPOSÉS DE MATÉRIAUX DE DENSITÉS DIFFÉRENTES

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Application

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Abstract (en)

[origin: WO2018224118A1] The invention relates to a device for separating conglomerates that consist of materials of different densities, having a rotor chamber (11), in which a rotor shaft (12) is mounted so as to be rotatable about a vertical axis (40), on which rotor shaft (12) striking tools (20, 21, 22, 23) are arranged one beneath another in at least two planes (16, 17, 18, 19), which striking tools (20, 21, 22, 23) are set into rotational movement by the rotor shaft (12) such that the conglomerates filled into the rotor chamber (11) from above are captured and separated by the striking tools (20, 21, 22, 23). The invention proposes that the rotor chamber (11) widen conically downward, and that the outside radius of the striking tools (20, 21, 22, 23) increase from top to bottom such that the spacing (a) of the radially outer end edges (30) of the striking tools (20, 21, 22, 23) from the chamber wall (31) facing said striking tools (20, 21, 22, 23) is substantially the same in the individual planes during operation.

IPC 8 full level

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Citation (search report)

See references of WO 2018224118A1

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