

Title (en)
METHOD AND DEVICE FOR SEPARATING MATERIALS ACCORDING TO THEIR DENSITY

Title (de)
VERFAHREN UND VORRICHTUNG ZUM TRENNEN VON STOFFEN NACH IHRER DICHT

Title (fr)
PROCÉDÉ ET DISPOSITIF DE SÉPARATION DE SUBSTANCES EN FONCTION DE LEUR DENSITÉ

Publication
EP 3221057 B1 20190403 (DE)

Application
EP 15820813 A 20151117

Priority
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Abstract (en)
[origin: WO2016078633A1] The separation of materials according to their density is carried out in a fluid bath (2) (preferably a water bath) by floating ground light materials and carrying same over an overflow (6), as well as depositing ground heavier materials on a horizontal sieve base (4) within the fluid bath. In order to improve the floating of the lighter materials, a displacement body (3) is cyclically sunk into the fluid bath. The fluid bath is supplied with additional fluid in a synchronous manner with the cyclical movement of the displacement body. A control device (9) for supplying the fluid can also be connected to pressure sensors (11) or the drive of the displacement body.

IPC 8 full level
B03B 5/14 (2006.01); **B03B 5/24** (2006.01)

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