

Title (en)
METHOD FOR SEPARATION OF WASTE MATERIAL AND APPARATUS FOR SUCH METHOD

Title (de)
VERFAHREN ZUR TRENNUNG VON ABFALLMATERIAL UND VORRICHTUNG DAFÜR

Title (fr)
PROCEDE DE SEPARATION DE MATERIAU RESIDUAIRE ET APPAREIL POUR CE PROCEDE

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Application
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Abstract (en)
[origin: WO2007071245A2] The invention relates to a method and an apparatus for separation of waste material comprising a solid fraction and a liquid fraction. The apparatus comprises: a base, resilient means connecting said base to a plurality of chambers and vibratory means coupled with said plurality of chambers. The plurality of chambers comprises a first chamber having at least one first screen having a larger-sized mesh being provided at a lower part of the first chamber, a second chamber having at least one second screen having a smaller-sized mesh being provided at a lower part of the second chamber, and a third chamber having a closed lower part, preferably being provided with an outlet, so that a resulting liquid fraction of the waste material is capable of being collected in the third chamber. In a possible embodiment, the apparatus also comprises a pressurising means for extracting a solid fraction from the waste material, initially to or subsequently to the vibrating motion. The invention highly increases the separation capacity of waste material such as livestock manure.

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