

Title (en)

DEVICE FOR SEPARATING A MATERIAL MIXTURE, AND METHOD FOR SEPARATING A MATERIAL MIXTURE

Title (de)

VORRICHTUNG ZUM TRENNEN EINER MATERIALMISCHUNG UND VERFAHREN ZUM TRENNEN EINER MATERIALMISCHUNG

Title (fr)

DISPOSITIF DE SÉPARATION D'UN MÉLANGE DE MATÉRIAUX ET PROCÉDÉ DE SÉPARATION D'UN MÉLANGE DE MATÉRIAUX

Publication

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Application

**EP 16805271 A 20161024**

Priority

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Abstract (en)

[origin: WO2017067533A1] The invention relates to a device (1) for separating a material mixture (2), in particular waste material, in particular plastic and/or bio-waste, comprising a treadmill (3), which has an adjustable inclination in particular, for transporting at least one part of the material mixture (2) in a transport direction (4). The material mixture (2) is deposited on the treadmill (3) substantially in an evenly distributed manner in particular in a transport width (5). The device also comprises a fall region (6) for generating a falling stream (7) of the material mixture (2) for the material mixture (2) transported on the treadmill (3) in a transport direction (4) at an interruption region (8) of the treadmill (3). In particular, the treadmill (3) has an adapted transport speed such that the material mixture falls substantially in a specified parabolic curve in the interruption region (8). The device also comprises an air flow means (9) for generating an air flow (10), in particular a directed air flow, in particular with an adjustable flow angle (11), and the air flow means (9) is oriented substantially opposite the transport direction (4) of the material mixture (2) towards the at least partially free-falling material stream (7).

IPC 8 full level

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