

Title (en)

Method and apparatus for separating a flow of bulk material into fractions of different grain size.

Title (de)

Verfahren und Vorrichtung zum Trennen eines Schüttgutstromes in Fraktionen mit unterschiedlicher Korngröße.

Title (fr)

Procédé et dispositif pour séparer un courant de matière en vrac en fractions de dimensions différentes de grains.

Publication

**EP 0482683 B1 19940720 (DE)**

Application

**EP 91202266 A 19910905**

Priority

DE 4033619 A 19901023

Abstract (en)

[origin: EP0482683A1] A flow of bulk material is separated into fractions of different grain size, a material cushion (4) is built up as a material disperser (1) on a base (2) with a convexly arcuate throw-off edge (3) from the throw-off edge (3) at the escarpment angle of the material, the surface of which cushion forms a material dispersing surface (5), the trajectory parabola of the freely falling flow (7) of bulk material striking the material dispersing surface (5), a saddle-shaped divider (8) - consisting of a base (10) with a convexly arcuate front (11) and a concavely arcuate rear throw-off edge (12) and a material cushion (13) which is built up from the throw-off edges (11, 12) at the escarpment angle of the material with a comb (14) which runs parallel to the throw-off edges (11, 12) - being arranged in the freely falling, dispersed material flow (9) in such a way that a coarser fraction slides down to the convex throw-off edge (11) on the front side of the material cushion and is widened and thrown off and a finer fraction slides down towards the concave throw-off edge (12) on the rear side of the material cushion and is thrown off. <IMAGE>

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CPC (source: EP)

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Cited by

CN103203318A; US11666943B2; CN104096674A; FR2691915A1; CN104826793A; EP0694340A1; FR2723008A1; US5772044A; US11660640B2; WO9810875A1; WO9325323A1; WO2020014743A1; WO2020014744A1

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