

Title (en)

Device for separating fine material from continuously supplied granular solids

Title (de)

Vorrichtung zum Klassieren von Feinstmaterial aus fortlaufend zugeführten körnigen Feststoffen

Title (fr)

Dispositif pour séparer les matières fines dans des matières granulaires amenées en continu

Publication

**EP 0901829 B1 20030730 (DE)**

Application

**EP 98116396 A 19980829**

Priority

DE 19738674 A 19970904

Abstract (en)

[origin: EP0901829A2] A machine classifies a continual supply of very fine bulk solids, e.g. sand, which descend down a chute (3) to a washing pan (4) with an overhead sprinkler. The washing pan (4) is formed by a conveyer belt (2) which is supported by the machine frame (1). A conveyer belt (2) comprises two sections (5, 6), the first part (5) of which is down-flow from the chute (3) and forms the washing pan (4). The second part (6) of the belt (2) immediately below the chute (3) moves upwards against the direction (32) of the incoming material. Over the washing pan (4) and material release zone (11) the chute (3) floor (10) has a blind panel (19) which has a full width slit (20) immediately at the beginning of the pan. The remaining surface (21) of the blind panel (19) is perforated. The end of the washing pan (4) has a trough (15) containing fluid and filled with spherical bodies (16) and extending the full width and depth of the pan (4).

IPC 1-7

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IPC 8 full level

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