Title (en)

PNEUMODENSITOMETRIC VIBRATING SEPARATOR FOR SORTING OF HETEROGENEOUS BULK PRODUCTS

Publication

EP 0280127 B1 19910731 (EN)

Application

EP 88102053 A 19880212

Priority

IT 1242887 A 19870227

Abstract (en)

[origin: EP0280127A2] This invention covers a separator consisting of a vibrating pneumodensitometric table ensuring a homogeneous fluidizing action by the sandwich shaped perforated table (1), the upper part of which is consisting of a finely perforated metal plate while the lower part (3) is consisting of synthetic fabric; the table (1) has a uniform motion favoured by its centered configuration and sturdy fastening to the side frames (7), the unidirectional vibrating motion being achieved by two electrovibrators (11), interconnected by a rugged tubular cross member (12) transmitting the vibratory motion to the side frames (7) of the table (1), while this unidirectional vibratory motion forms an angle (alpha) with the longitudinal table plane; this angle may be varied according to the material to be sorted and directed through the center of gravity (G) of the vibrating section of the machine. The supporting structure (15) on which the table (1) is resting also supports a dust filter (21). A special device (24) located between the table (1) and the filter (21) provides for catching of any air entrained matter. (Fig. 5).

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Citation (examination)

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