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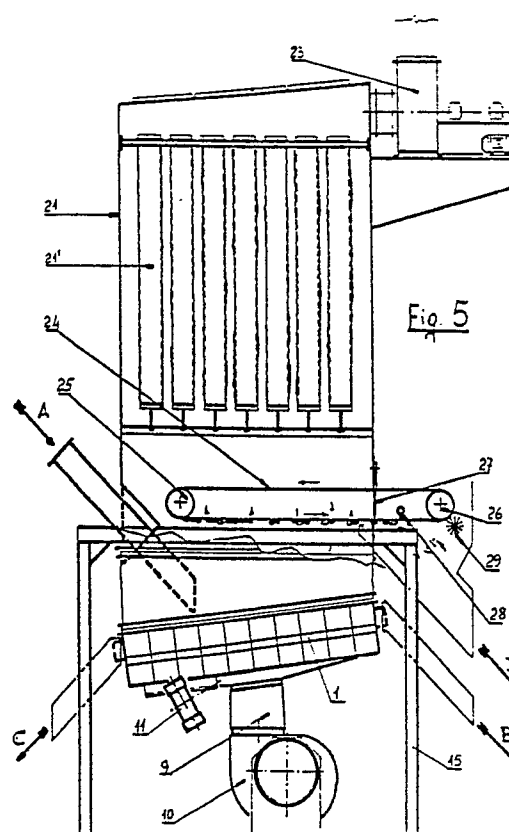
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54 **Pneumodensitometric vibrating separator for sorting of heterogeneous bulk products.**

57 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 (α) 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).





DOCUMENTS CONSIDERED TO BE RELEVANT			EP 88102053.1
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
P, A	EP - A2 - 0 247 423 (ORGAN-FASER TECHNOLOGY COMPANY N.Y.) * Abstract *	1	B 03 B 4/00
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A	DE - A1 - 3 606 238 (GENERAL KINEMATICS CORP.) * Claims 1,5,7; fig. 1 *	1	
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A	EP - A1 - 0 162 014 (GEBRÜDER BÜHLER AG) * Claim 1; fig. 4 *	1	
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A	EP - A1 - 0 159 050 (GEBRÜDER BÜHLER AG) * Claim 1; fig. 1 *	1	

			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			B 03 B 4/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 20-03-1989	Examiner BRUS
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	