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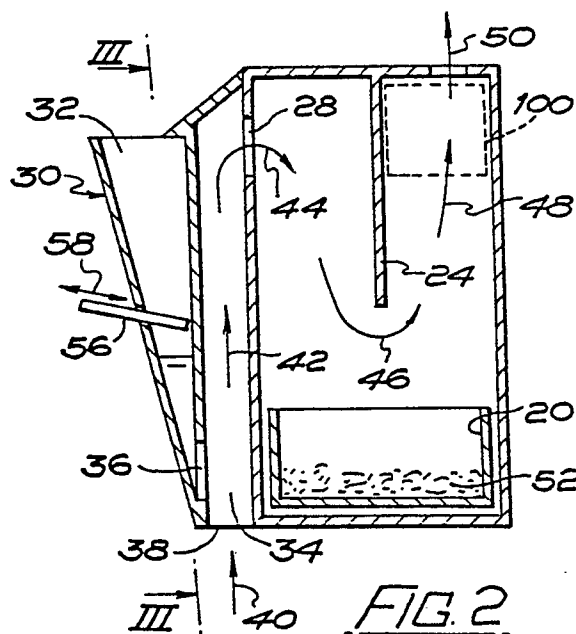
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(54) Separating apparatus.

(57) An apparatus for separating bird seed from lighter waste material such as chaff and feathers wherein a flow of air is drawn through the apparatus and the mixture is introduced into the air flow which carries away the lighter chaff and feathers, but the heavier seed and whole grain is not and is therefore separated. The air flow carrying the lighter material is caused to pass round a sharp corner defined by the edge of a partition plate (24) contained in a separation chamber. The lighter material does not pass round the sharp corner, and the lighter material drops into a collection drawer. The mixture is fed into the top of a downwardly directed feed chute (32) and from the bottom of the feed chute the mixture passes into the air flow in the upwardly extending lift channel (34), the bottom of which is open to allow air to be drawn in and the heavier material to drop out.



EP 0 264 641 A3



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	DE-C- 563 273 (I.L. BRAMWELL et al.) * Page 2, lines 1-84; figures 1,2 *	1-6	B 07 B 4/02 B 07 B 7/02
Y	---	7,8	
X	GB-A- 967 140 (G. SPOHR) * Page 1, line 62 - page 2, line 32; figures 1,2 *	1	
Y	---	7	
X	GB-A-1 584 957 (D. HAINES) * Page 1, lines 8-20; page 1, line 71 - page 2, line 16; figures *	1	
Y	---	8	
X	FR-A- 400 326 (ETABLISSEMENTS TEISSET) * Whole document *	1-5	TECHNICAL FIELDS SEARCHED (Int. Cl.4) B 07 B
X	CH-A- 504 245 (GEBRÜDER BÜHLER) * Column 3, line 47 - column 4, line 57; figures *	1-5	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 07-02-1989	Examiner LAVAL J.C.A
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			