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(54) **Screen for sorting solid waste**

(57) The invention is a new screen with rollers (1) for sorting solid waste, each roller comprising an axis (1.1) with plates (1.2) parallel to one another and perpendicular to the axis itself, wherein between the rollers of the same axis there is an anti-clogging element (1.3) in the shape of a cylindrical tube, free to travel and substantially parallel to the axis, and wherein the diameter

of said anti-clogging element in the shape of a cylindrical tube is longer than the axis and shorter than the diameter of the plates. The edge of said parallel plates (1.2) is provided with a strip (1.21) perpendicular to the plate itself, or a with an inclined double strip, so that the plate has arrow-shaped or T-shaped section along its entire perimeter. The plates may have polygonal, circular or elliptic section.

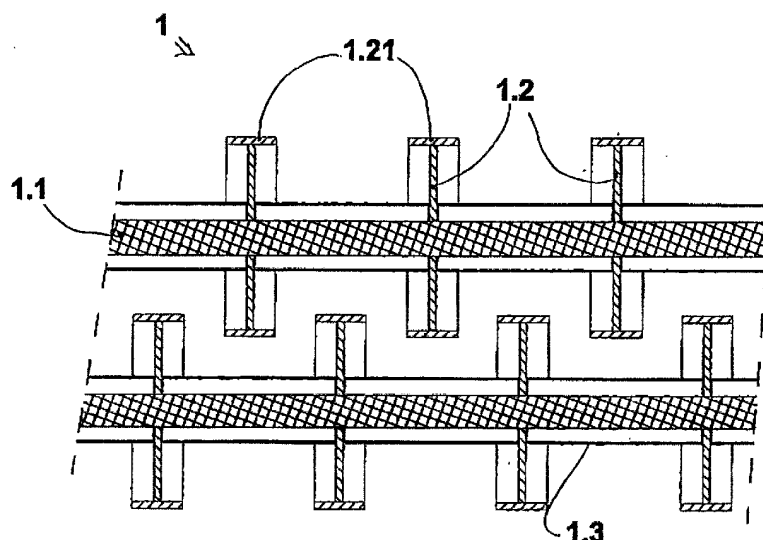


Fig. 1a



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 12 5944

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.7)
A	DE 297 11 724 U (E. KRONENBERGER) 4 September 1997 (1997-09-04) * claim 1 * * figures *	1	B07B1/15 B07B1/50
A	US 2 722 314 A (K. BIXBY) 1 November 1955 (1955-11-01) * column 1, line 56 - column 2, line 32 * * figures *	1	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B07B
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		3 May 2002	Laval, J
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 12 5944

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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03-05-2002

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 29711724	U	04-09-1997	DE 29711724 U1	04-09-1997
US 2722314	A	01-11-1955	NONE	

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82