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(54) Transverse sealer for a packaging machine

(57) An elongated web of bag-making material (S) is bent into a tubular form by a former (2), transported along a path (A), is filled with articles (W) and sealed by a transverse sealer (10) transversely to its direction of motion. A pair of seal jaws (20) supported by rotary arms (12) are rotated in mutually opposite directions by a power-communicating mechanism (P) which includes a trajectory-forming mechanism (H) such that the seal jaws (20) will each travel on a generally D-shaped trajectory with a linear section along the path (A) of the bag-making material (S). Cramming devices (50) are

adjustably attached to the rotary arms (12) and stroke the tubularly shaped bag-making material (S) from both sides in forward-backward direction (X) without substantially closing the bag being formed such that the articles (W) can be more efficiently crammed with empty spaces among them effectively reduced. Stripping rods (42) are attached to the seal jaws (20) for stripping down the articles being dropped into the bag immediately before the transverse sealing and after the cramming by the cramming devices (50) so as to prevent them from becoming caught between the seal jaws (20).

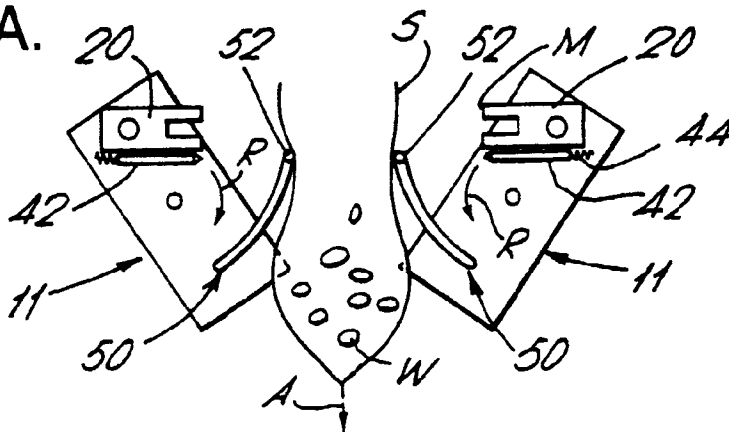
Fig.6A.**EP 0 811 558 A3**

Fig.6B.

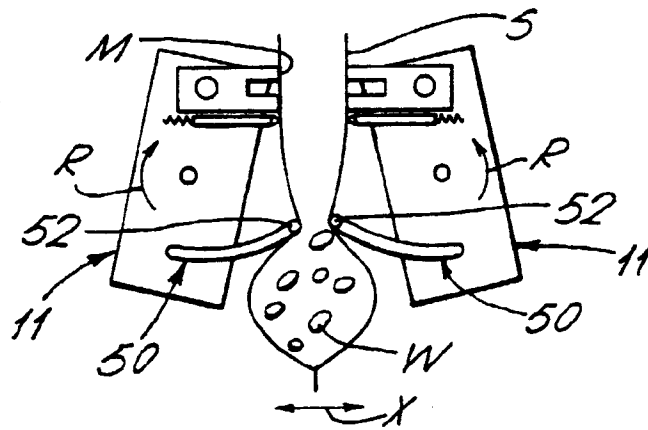


Fig.6C.

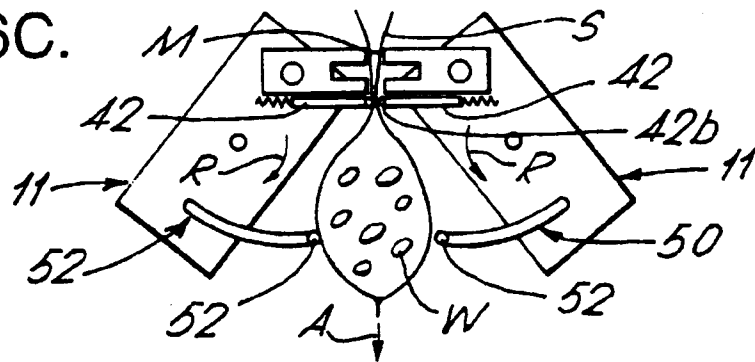
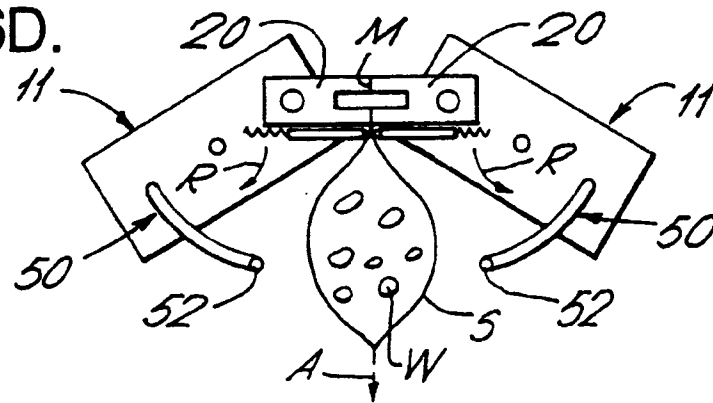


Fig.6D.





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EUROPEAN SEARCH REPORT

Application Number
EP 97 30 3687

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.6)
1 X	US 5 279 098 A (ISHIDA SCALES) 18 January 1994	1,2,11,13,14	B65B51/30
Y	* column 8, line 62 - column 11, line 32; figures 11-14 *	8	
1 Y	---	8	
A	EP 0 308 861 A (ROVEMA) 29 March 1989 * column 3, line 25 - column 5, line 11; figures *	1,10	
1 A	---		
	EP 0 368 095 A (ROVEMA) 16 May 1990 -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 9 November 1998	Examiner JAGUSIAK, 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			

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