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(54) **Cross-lapping machine for continuously creasing, folding and cross-lapping corrugated board material**

(57) The present invention relates to a cross-lapping machine (6) for creasing, folding and cross-lapping a corrugated board material fed as a continuous web (3), characterized in that the machine comprises a rotary element, having, in elevation view, a polygonal cross-section (10'), preferably an octagonal cross-section, including, at the apex of the octagon, a creasing contour (32) pressing the corrugated board material layers, the creasing contour (32) cooperating with a counter-roller (7) including a second creasing contour (32), and so timed that the mentioned creasing contours (32) deform, at a cross direction and opposite positions, but coinciding with one another, the corrugated board material strip (3) conveyed into the machine body.

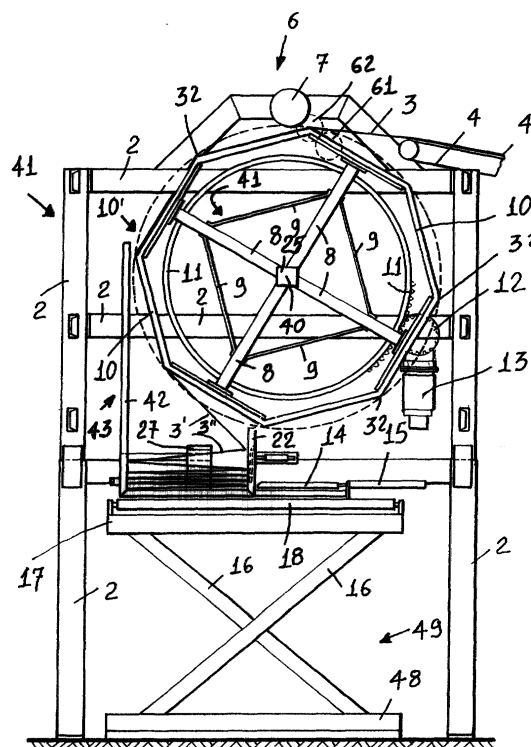


Fig. 2

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# EUROPEAN SEARCH REPORT

Application Number  
EP 00 11 1797

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 502 976 C (LEOPOLD RADO) 22 July 1930 (1930-07-22) * page 1, line 27 - page 1, line 54; figures 2,3 *	1	B65H45/101 B65H45/20
A	US 4 500 082 A (IZUME MASAYUKI) 19 February 1985 (1985-02-19) * column 5, line 21 - column 6, line 35; figure 3 *		
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			B65H B26D
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 17 December 2002	Examiner Fachin, F
<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 &amp; : 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 11 1797

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