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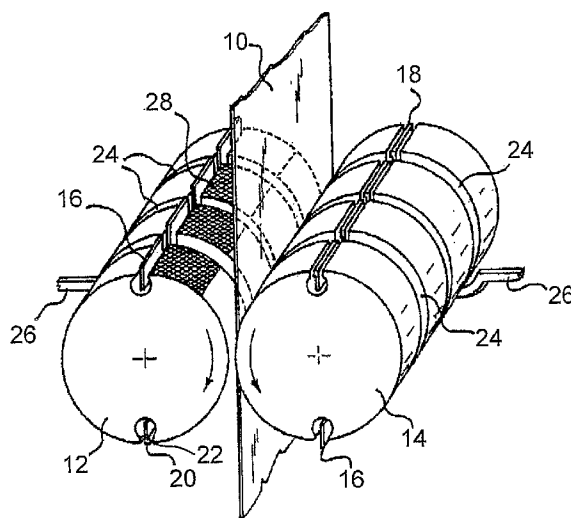
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(54) Title: IMPROVED DEVICE FOR THE FOLDING OF FLEXIBLE MATERIAL



(57) Abstract: A device for the folding of flexible material in the form of a continuous strip (10) or single sheets, of the type comprising a pair of parallel and opposite rolls (12, 14) respectively equipped with at least one gripping element (18), consisting of at least one moveable jaw (20) and at least one fixed jaw (22), and at least one comb element (16) situated along directrix lines parallel to the axes of the respective rolls (12, 14). The comb elements (16) are assembled on an actuator group (50) inside each of the rolls (12, 14) to move them from a substantially withdrawn position with respect to the surface of the roll (12, 14) to a protruding position, whereas the moveable jaws (20) of the gripping element (18) are assembled on an actuator group (52) inside each of the rolls (12, 14) to allow them to be moved towards and away from the fixed jaws (22). Each roll (12, 14) is equipped with one or more disassemblable caps (40, 42) respectively situated in correspondence with each of the actuator groups (50, 52) to allow access to said actuator groups (50, 52) and their possible substitution without dismantling the rolls (12, 14) from the folding device.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC.

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B65H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 520 819 A (FNPA ACQUISITION CORP) 6 April 2005 (2005-04-06) paragraphs [0006] - [0008], [0021] - [0028]; figures 3-5	1-4,6,7
A	US 2 468 254 A (DELOYE JAMES J) 26 April 1949 (1949-04-26) column 3, line 42 - column 4, line 54 column 6, line 27 - line 67; figures 1,3-5	1-4,6
A	US 1 871 301 A (CAMPBELL SAMUEL J) 9 August 1932 (1932-08-09) page 1, line 64 - page 2, line 48; figures	1-5
A	DATABASE EPODOC [Online] EUROPEAN PATENT OFFICE, THE HAGUE, NL; XP002468026 cited in the application abstract	1
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	& IT 1 274 311 B (OMET SRL) 17 July 1997 (1997-07-17) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

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IT 1274311	B	17-07-1997	NONE	