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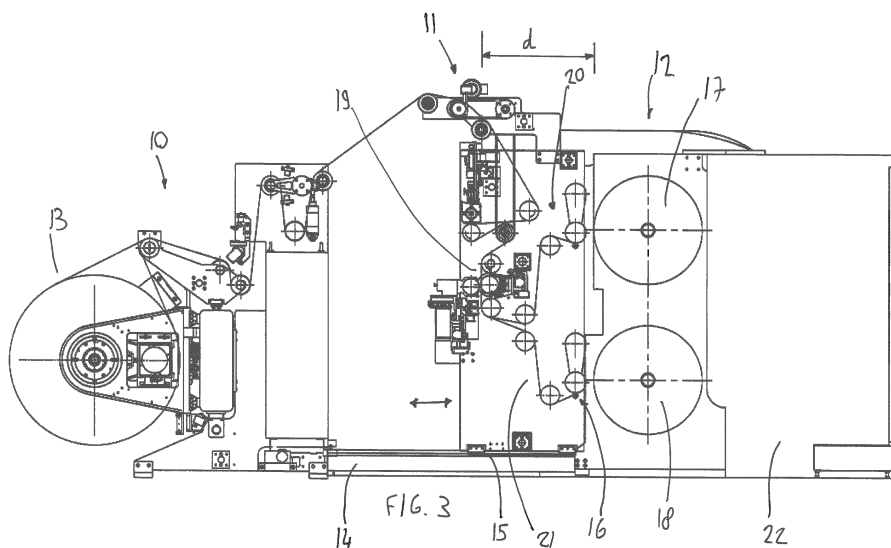
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(54) **Web unwinding, slitting and rewinding apparatus and methods of processing webs**

(57) A web unwinding, slitting and rewinding apparatus comprising an unwind module (10) with an unwind supporting frame for supporting an unwind roll (13) of web material; a slitter module (11) with a slitter supporting frame incorporating one or more slitters; and a rewind module (12) with a supporting frame incorporating one or more rewind shafts for supporting, in use, rewound

packages (17; 18); said unwind supporting frame, said slitter supporting frame and said rewind supporting frame being distinct frames which are readily separable from one another; whereby a selected unwind module (10) is interchangeable with a further unwind module; and/or a selected rewind module (12) is interchangeable with a further rewind module.





EUROPEAN SEARCH REPORT

Application Number
EP 12 18 7695

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 3 157 371 A (BILLINGSLEY JOHN G S) 17 November 1964 (1964-11-17)	1,10,11	INV. B65H19/22
Y	* column 1, lines 1-11 *	6-8	
A	* column 2, lines 15-30 * * column 2, line 70 - column 3, line 62 * * figure 2 *	2-5,9	
X	US 6 283 402 B1 (FORDHAM KEITH GARY [GB]) 4 September 2001 (2001-09-04)	1-5,9-11	
Y	* column 1, lines 1-8 * * column 2, lines 20-31 * * column 3, line 51 - column 5, line 5 * * column 7, lines 18-21 * * column 8, lines 17-30 * * figures 6,7 *	6-8	
Y	WO 2008/116311 A1 (PRITTIE FAMILY TRUST 89 [CA]; PRITTIE ALLAN [CA]) 2 October 2008 (2008-10-02)	6-8	
A	* paragraphs [0001], [0005] - [0012], [0015], [0020], [0034] - [0059] * * figures 1-12 *	1,9-11	TECHNICAL FIELDS SEARCHED (IPC)
			B65H
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 19 December 2013	Examiner Cescutti, Gabriel
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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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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19-12-2013

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 3157371 A	17-11-1964	BE 617620 A1	14-11-1962
		DE 1238303 B	06-04-1967
		FR 1327982 A	24-05-1963
		GB 932151 A	24-07-1963
		LU 41705 A1	14-11-1962
		NL 278449 A	19-12-2013
		US 3157371 A	17-11-1964

US 6283402 B1	04-09-2001	NONE	

WO 2008116311 A1	02-10-2008	NONE	
