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(54) **Method and apparatus for controlling the slitting of a web-like material**

(57) The invention relates to a method for controlling the slitting of a web-like material on the slitter-winder, in which method, slitting the web into several partial webs which are wound into partial web reels, and monitoring the travel of the web on the slitter-winder with a monitoring device (100) which automatically detects events deviating from the normal winding such that an image is created of a monitoring area (104) being monitored and, triggered by a fault detected in the image, taking measures to eliminate the fault or to minimise its effects. In the method, determining in the monitoring area a fixed point and, simultaneously when an image is created of the monitoring area (104) being monitored substantially continuously, determining the position of the fixed point and, if the position of the fixed point changes more than pre-determined, re-determining the position of the monitoring area such that the monitoring area (104) is located in a new place determined by the changed position of the fixed point.

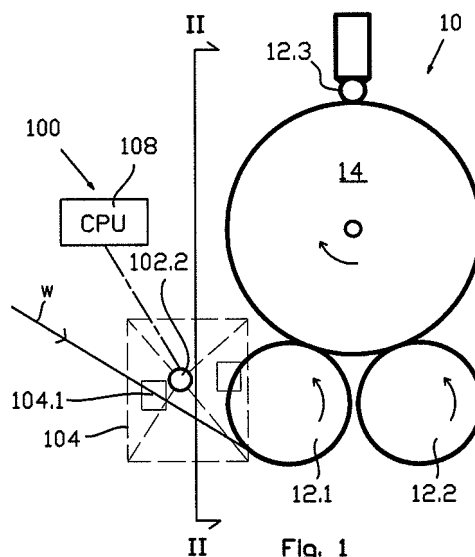


Fig. 1



EUROPEAN SEARCH REPORT

Application Number
EP 10 18 8060

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A,D	WO 2005/097646 A1 (METSO PAPER INC [FI]; ASIKAINEN PETRI [FI]; TIILIKAINEN MARKO [FI]; HE) 20 October 2005 (2005-10-20) * page 5, paragraphs 2,4,5 * * page 6, paragraph 5 * * page 7, paragraph 12 - page 9, paragraph 2 * * figures 1a,1b * -----	1-8	INV. B65H26/02
A	EP 1 652 805 A1 (VOITH PAPER PATENT GMBH [DE] VOITH PATENT GMBH [DE]) 3 May 2006 (2006-05-03) * paragraphs [0009], [0010], [0013], [0014], [0015], [0017] * * figure 1 * -----	1,6	
A	EP 1 084 976 A2 (VOITH SULZER PAPIERTECH PATENT [DE] VOITH PAPER PATENT GMBH [DE]) 21 March 2001 (2001-03-21) * paragraphs [0004], [0005], [0008], [0009], [0023] - [0026], [0028] * * figures 1,2 * -----	1,6	TECHNICAL FIELDS SEARCHED (IPC)
A	DE 202 11 013 U1 (VOITH PAPER PATENT GMBH [DE]) 10 October 2002 (2002-10-10) * page 1, lines 1-17 * * page 6, line 12 - page 8, line 33 * * figures 1,2 * -----	1,6	B65H
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 7 September 2011	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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EPO FORM 1503 03.82 (P04C01)

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

EP 10 18 8060

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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07-09-2011

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2005097646 A1	20-10-2005	CA 2562122 A1	20-10-2005
		DE 112005000764 T5	01-03-2007
		FI 117171 B1	14-07-2006
		US 2007176040 A1	02-08-2007

EP 1652805 A1	03-05-2006	AT 460261 T	15-03-2010
		DE 102004000034 A1	27-04-2006

EP 1084976 A2	21-03-2001	DE 19944958 A1	05-04-2001

DE 20211013 U1	10-10-2002	NONE	
