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(54) Colour proofer with curl control means

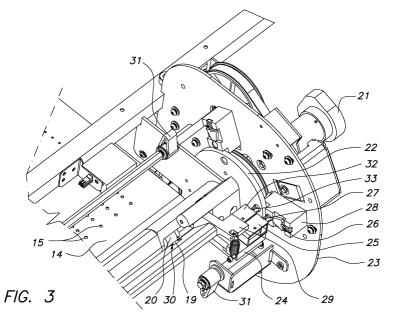
(57) A large format printer using web feed material is able to cope with roll fed material and sheets having residual curl by using several features:

- a anti-curl guidance counteracts the curl to feed the medium to a second transport system.
- the medium is further held flat by a vacuum system.
- During re-feeding the height of the position of the sheet having residual curl is adjusted by a moving

pivot roller to smoothly pass over a cutting bar,

the entrance of a re-feeding chamber is enlarged by lifting a retractor pivot plate by a retractor pivot to allow curled media to enter the re-feeding cham-

Curl can also be avoided by keeping the web roll of media in a relative humid condition by restricting air flow or by using an extra humidifier.





EUROPEAN SEARCH REPORT

Application Number EP 05 10 1377

	Citation of document with indication, where	E RELEVANT	Relevant	CI ASSISICATION OF THE
Category	of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)	
x	US 6 210 055 B1 (CHEN ANGELA	S ET AL)	l-3	B41J11/00
Υ	3 April 2001 (2001-04-03) * column 4, line 55 - column	5 line 14 *	1	B41J3/60
		5, line 14 *	†	B41J13/00
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,	* column 6, line 33 - line 53	1		
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	16 March 1999 (1999-03-16)	-	- •	
	* column 1, line 26 - line 37	, ,		
'	US 6 637 328 B1 (BERRIGAN JOH 28 October 2003 (2003-10-28)	IN) . 2	1	
	* column 3, line 52 - line 60); figure 1 *		
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				TECHNICAL FIELDS SEARCHED (Int.CI.7)
				B41J
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3			}	
	The present search report has been drawn up fo	r all claims		
	<u> </u>	completion of the search		Examiner
	Munich 20	July 2005	Urb	aniec, T
X : partio Y : partio docui	TEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with another ment of the same category tological background	T: theory or principle ur E: earlier patent docum after the filing date D: document cited in th L: document cited for of	ent, but publishent, but publishent eapplication their reasons	hed on, or



Application Number

EP 05 10 1377

CLAIMS INCURRING FEES							
The present European patent application comprised at the time of filing more than ten claims.							
Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):							
No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.							
LACK OF UNITY OF INVENTION							
LACK OF UNITY OF INVENTION							
The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:							
see sheet B							
All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.							
As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.							
Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:							
None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:							



LACK OF UNITY OF INVENTION SHEET B

Application Number EP 05 10 1377

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-4

A printing apparatus with a transport belt

2. claims: 5-6

A printing apparatus with a tumbler unit having a pivot plate at the entry slit

3. claims: 7-9

A printing apparatus with a controlled humidity medium roll storage system

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

EP 05 10 1377

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 The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

20-07-2005

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