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(11)

EP 1 147 892 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
09.07.2003 Bulletin 2003/28

(51) Int Cl.7: **B41F 17/22**

(43) Date of publication A2:
24.10.2001 Bulletin 2001/43

(21) Application number: **01106793.1**

(22) Date of filing: **19.03.2001**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR**
Designated Extension States:
AL LT LV MK RO SI

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(30) Priority: **21.03.2000 IT MO000052**

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(54) Machine and method for printing containers

(57) A machine for printing containers comprises a printing unit (8) suitable for interacting with containers (7, 7a) to be printed, said containers (7, 7a) being grasped by respective support means (32, 36); the printing unit (8) comprises a printing roller (16) externally provided with cavities suitable for containing fluid printing means to be transferred by contact to regions of external

surface of said containers (7, 7a).

A method for printing containers comprises arranging containers (7, 7a) to be printed on support means (32, 36), bringing the external surface of said containers in contact with printing means (8) for printing said external surface, said containers (7, 7a) are brought in contact with said printing means by advancing said containers (7, 7a) along a pre-established path.

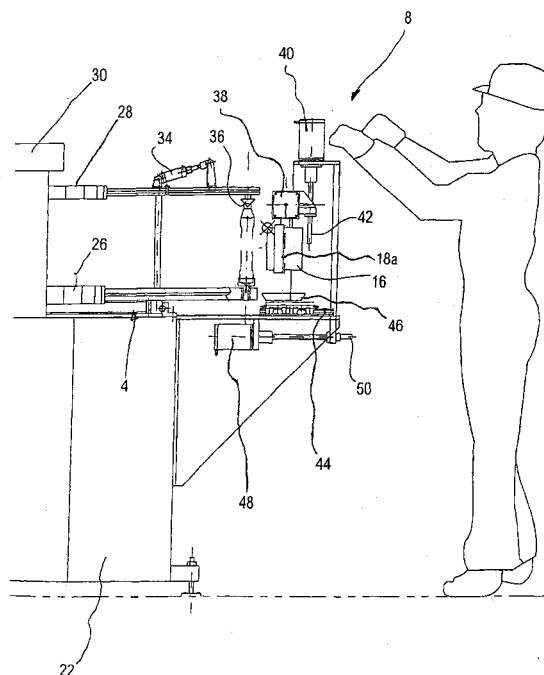


Fig. 5

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EUROPEAN SEARCH REPORT

Application Number
EP 01 10 6793

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
A	DE 198 07 924 A (MITSUBISHI MATERIALS CORP) 27 August 1998 (1998-08-27) * abstract; figure 1 * ---	1,17	B41F17/22
A	DE 12 91 340 B (JAGENBERG WERKE AG) 27 March 1969 (1969-03-27) * the whole document * -----	1,17	
			TECHNICAL FIELDS SEARCHED (Int.CI.7)
			B41F
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 December 2002	Examiner Madsen, P
<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 & : member of the same patent family, corresponding document</p>			

EPO FORM 1503 03 82 (P04C01)

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

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23-12-2002

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 19807924 A	27-08-1998	DE 19807924 A1	27-08-1998
		JP 10291294 A	04-11-1998
		US 5970865 A	26-10-1999
<hr/>			
DE 1291340 B	27-03-1969	NONE	
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