



Europäisches Patentamt
European Patent Office
Office européen des brevets



Publication number:

0 405 213 A3

(12)

EUROPEAN PATENT APPLICATION

(21) Application number: **90111004.9**

(51) Int. Cl.⁵: **D21G 7/00**

(22) Date of filing: **11.06.90**

(30) Priority: **30.06.89 IT 6753789**

(43) Date of publication of application:
02.01.91 Bulletin 91/01

(84) Designated Contracting States:
BE DE FR

(88) Date of deferred publication of the search report:
04.09.91 Bulletin 91/36

(71) Applicant: **BOSSO CARTE SPECIALI S.p.A.**
Via Stura, 98
I-10075 Mathi Canavese(IT)

(72) Inventor: **Morra, Giancarlo**
Regione Praile No. 12
I-10074 Lanzo Torinese(IT)

(74) Representative: **Jorio, Paolo et al**
STUDIO TORTA Società Semplice Via Viotti 9
I-10121 Torino(IT)

(54) **A moisturising device for a web of sheet material, in particular paper.**

(57) The device serves to moisturise uniformly in a transverse direction a web of paper (2) translating at high speed, and consists of first and second counter-rotating cylinders (4, 5) between which the paper web passes in such a way as partly to wrap over a lateral surface of a first cylinder (5), cooling means (30) disposed within the first cylinder, and a condensation chamber (6) within which the first cyl-

inder is partially housed in such a way as to delimit the interior thereof with its lateral surface, the said chamber being subdivided in the direction of the axis of rotation (10) of the first cylinder into a plurality of compartments (40) each of which is provided with means (50) for directing saturated steam against the said first cylinder.

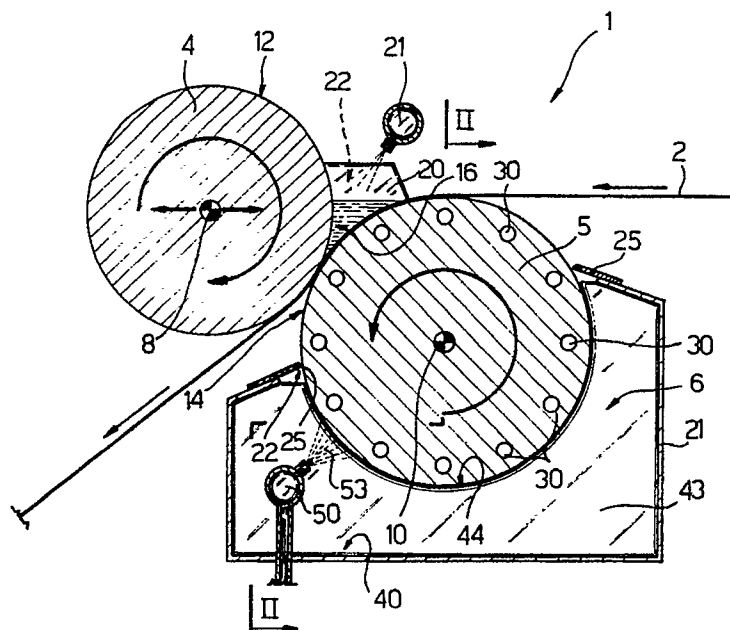


Fig.1

EP 0 405 213 A3



European
Patent Office

EUROPEAN SEARCH REPORT

Application Number

EP 90 11 1004

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)		
A	GB-A-2 127 871 (BELOIT) * the whole document * - - -	1-5,7-10	D 21 G 7/00		
A	DE-A-2 203 973 (PAGENDARM) * page 19, line 15 - page 22, line 10; figure 1 * - - -	1,6,7,10			
A	GB-A-7 127 17 (CHAMPION PAPER AND FIBER COMPANY) * the whole document * - - -	1,8,9			
A	GB-A-1 156 056 (GREENBANK ENGINEERING) * the whole document * - - - - -	1			
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5) D 21 F D 21 G B 41 F		
Place of search The Hague		Date of completion of search 02 July 91	Examiner ELMEROS C.		
<table border="0"><tr><td>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</td><td>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</td></tr></table>				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
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				