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Publication number:

0 364 242 A3

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EUROPEAN PATENT APPLICATION

21 Application number: **89310400.0**

61 Int. Cl.⁵: **D21F 1/02**

22 Date of filing: **11.10.89**

30 Priority: **12.10.88 CA 579854**

43 Date of publication of application:
18.04.90 Bulletin 90/16

64 Designated Contracting States:
DE FR GB IT SE

68 Date of deferred publication of the search report:
24.04.91 Bulletin 91/17

71 Applicant: **LE GROUPE LAPERRIERE &
VERREault INC.**

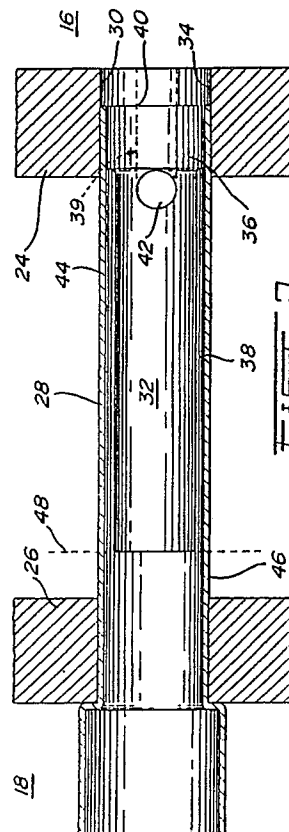
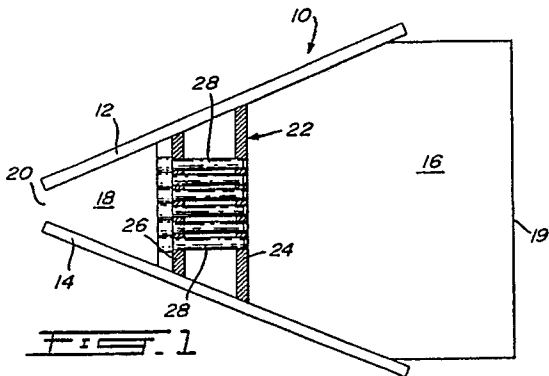
**220 Boulevard Brunswick
Pointe-Claire Quebec H9R 1A6(CA)**

72 Inventor: **Fortier, Luc Y.
17850, Antoine Faucon
Pierrefonds Quebec H9J 9Z7(CA)**
Inventor: **Piette, Andre G.
122 Louis Riel
Dollard-des-Ormeaux Quebec H9B 9Z6(CA)**

74 Representative: **Coleman, Stanley et al
MATHYS & SQUIRE 10 Fleet Street
London EC4Y 1AY(GB)**

54 **Headbox.**

57 A headbox comprising an inlet chamber (16) communicating with a source of fiber suspension, an outlet chamber (18) with a discharge opening (20) for the fiber suspension and a diffuser (22) to establish a fluid path between the inlet and the outlet chambers. The diffuser includes a cluster of tubes (28), each being divided in two successive portions (44, 46) of larger cross-sectional area separated by a step-like transition. Each tube comprises a stem (32) mounted in the initial portion thereof to define a ring shaped fiber suspension passage (38).



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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	FR-A-2 097 903 (AHLSTRÖM) * Page 8, line 35 - page 12, line 4; figures 3-8 * - - - -	1,4-7, 9-12,16	D 21 F 1/02
A	US-A-2 970 644 (WEBSTER) * Whole document * - - - -	1-4,9,12, 14,15,17, 18	
A	US-A-3 296 066 (GREEN et al.) * Column 3, line 68 - column 5, line 11; figures 4,5 * - - - -	4-8,15	
A	WO-A-8 504 432 (FELDMÜHLE) * Page 16, line 4 - page 21, line 32; figures 3-9 * - - - -	3-6,10, 13,15,17	
A	AT-B-3 846 33 (ALBERT) * Whole document * - - - -	1,9-14,17	
A	FR-A-1 571 410 (VOITH) - - - - -		
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			D 21 F D 21 B
Place of search	Date of completion of search	Examiner	
The Hague	23 January 91	ELMEROS C.	
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	