

12 **EUROPEAN PATENT APPLICATION**

21 Application number: 82401255.3

51 Int. Cl.³: **D 21 F 3/04**

22 Date of filing: 05.07.82

30 Priority: 06.07.81 CA 381190

43 Date of publication of application:
12.01.83 Bulletin 83/2

88 Date of deferred publication of search report: 12.09.84

84 Designated Contracting States:
DE FR GB IT SE

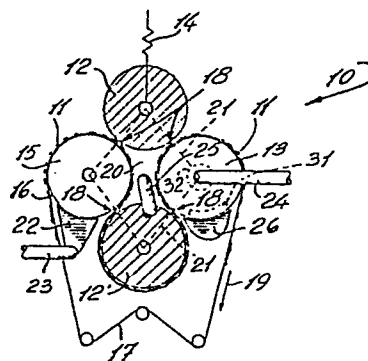
71 Applicant: Webster, David R.
32 Forden Westmount
Montreal Quebec(CA)

72 Inventor: Webster, David R.
32 Forden Westmount
Montreal Quebec(CA)

74 Representative: Lepeudry-Gautherat, Thérèse et al,
CABINET ARMENGAUD JEUNE CASANOVA et
LEPEUDRY 23 boulevard de Strasbourg
F-75010 Paris(FR)

54 **Multi-nip suction press.**

57 The present invention provides a drying apparatus for use in a papermaking machine and comprising at least four press rollers (12, 12', 13, 15) in nip contact with one another in succession in a closed train to define a substantially sealed chamber (20) between the press rollers and chamber end walls (21). At least one of the press rollers (13) is a hollow roller having a pervious outer wall to support at least one endless felt (17) disposed for advance over an outer support surface of at least some of the rollers and passing through all of the nip contacts (18). The endless felt (17) is a pervious carrier for a paper sheet (11) to be dried. Resilient support means (14) is provided for at least one press roller. Drive means is also provided for at least one press roller. Conduit means (24) permits air movement through the hollow roller and the chamber. Air displacement means is connected to the conduit means. The air movement passes through the sheet (11) carried on the felt (17) whereby to extract moisture from the sheet and for convection of the moisture by the conduit means.





DOCUMENTS CONSIDERED TO BE RELEVANT			EP 82401255.3
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	DE - A1 - 2 829 226 (TAMPELLA) * Fig. 6; page 7 * --	1,5,8	D 21 F 3/04
A	GB - A - 744 084 (MILLSPAUGH) * Fig. 11-18, belonging text * --	1,5,8	
A	DE - A - 2 166 603 (MARA) * Totality * --	1,5,8	
A	FR - A - 1 128 534 (MILLSPAUGH) * Totality * ----	1,5,8	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
			D 21 F 3/00
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 14-06-1984	Examiner HOFMANN
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	