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(54) **Combination of poly (dadmac/acrylamide) and bentonite for deposition control in papermaking processes**

(57) A method for minimizing pitch, ink, and stickies particle deposits in the papermaking process by causing the retention of such particles onto fiber, comprising the steps of adding an effective pitch, ink, and stickies controlling amount of a water soluble diallyldimethyl ammonium chloride-acrylamide copolymer to a suspension of fiber in contact with the paper machine and associated parts and adding an effective pitch, ink, and stickies controlling amount of bentonite to the suspension, thereby increasing retention of pitch, ink, and stickies onto the fiber and minimizing the deposition of pitch, ink, and stickies particles on the paper machine and associated parts.

EP 0 760 406 A3



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EUROPEAN SEARCH REPORT

Application Number
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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.6)
Y	CA 2 102 742 A (NALCO CHEMICAL CO) 11 May 1994 the entire document ---	1,2,5-8, 10	D21H21/02
X	EP 0 335 575 A (ALLIED COLLOIDS LTD) 4 October 1989 * page 3, line 43 - line 48; example 3 * * page 2, line 35 - line 40 * ---	1,2,7-9	
Y	EP 0 584 513 A (NALCO CHEMICAL CO) 2 March 1994 comparative example 2 * page 8, line 30 - page 9, line 38; example 2 * ---	1-3,5-8, 10	
Y	WO 93 13265 A (VININGS IND INC) 8 July 1993 * page 25 * ---	1,6,9	
Y	EP 0 586 755 A (ECC INT LTD ;CDM AB (SE)) 16 March 1994 * example 1 * ---	1,3,6,9, 10	
A	WO 95 07385 A (TALC DE LUZENAC ;ARSEGUEL DIDIER (FR); BAEZA RICHARD (FR); DELORD) 16 March 1995 the entire document -----	1,3,6,10	TECHNICAL FIELDS SEARCHED (Int.Cl.6) D21H
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 18 July 1997	Examiner Naeslund, P
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			

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