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⑤④ **Compositions for imparting temporary wet strength to paper.**

⑤⑦ A composition for imparting temporary wet strength to paper comprising a solution containing from about one percent to about ten percent by weight of a vinylamide polymer having sufficient glyoxal-reactive amide substituents and -CHOHCHO substituents to be thermosetting, in a solvent selected from the group consisting of water, water-miscible solvents containing free hydroxyl functionality, and mixtures thereof, to which solution has been added a sufficient quantity of a strong base for reaction therewith to adjust the pH of the aqueous solution to a value of from about 8.5 to about 11. Also disclosed is a process for imparting temporary wet strength to paper by application thereto of a wet strengtheningly effective amount of such aqueous composition, and the paper product of such process.

EP 0 133 699 A3



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Office

EUROPEAN SEARCH REPORT

0133699 Application number

EP 84 10 9360

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.4)
X	US-E- 30 259 (K. MORIYA et al.) * Column 6, paragraph 2; example 7 *	1,2,5, 7-13, 15	D 21 H 3/38
D,A	US-A-3 556 932 (A.T. COSCIA et al.) * Whole document *	1-16	
A	US-A-3 597 313 (L.L. WILLIAMS et al.)		
A	US-A-3 842 054 (G.I. KEIM)		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			D 21 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 12-11-1984	Examiner NESTBY K.
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	

