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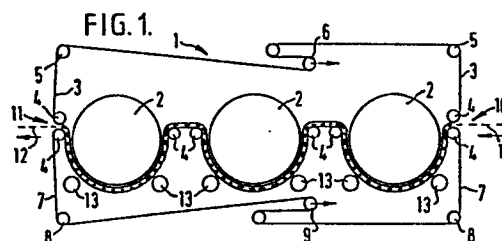
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(54) **Process for drying and consolidating a paper making web.**

(57) A process for drying and consolidating a paper making web so as to enhance translucency in the resulting paper.

It is known to provide integral patterning by means of a dandy roll or by press marking or by embossing, but none of these known methods achieve controlled enhancement of translucency or tensile strength of paper.

The invention provides a process for producing paper having at least portions with enhanced translucency in which a paper making web formed at least in part of cellulosic fibres and having a water content of at least 20% is simultaneously supported and constrained against shrinkage without preventing the release of water or water vapour therefrom, maintained at a temperature sufficient to dry the web without causing thermal degradation as it dries, and subjected across at least portions thereof to a pressure sufficient to produce enhanced translucency and tensile strength in the corresponding portions of the dried paper. If the portions of enhanced translucency are interconnected to form a network this will confer enhanced tensile strength on the structure of the paper.





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			EP 83304195.7
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
A	<u>GB - A - 2 006 296</u> (KIMBERLY-CLARK) * Fig. 1-7, belonging text * --	1,2,7-9	D 21 F 11/00 D 21 F 3/02
A	<u>CH - A - 321 119</u> (BOWATERS) * Totality * --	1,2	
A	<u>DE - A1 - 3 017 446</u> (BOARD MILL CO. LTD.) * Totality * ----	1-6	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 3) D 21 F
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 19-10-1984	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			