

Title (en)

Process for drying and consolidating a paper making web.

Title (de)

Verfahren zur Trocknung und Konsolidation einer Papierbahn.

Title (fr)

Procédé pour le séchage et la consolidation d'une bande de papier.

Publication

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Application

**EP 83304195 A 19830719**

Priority

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Abstract (en)

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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CPC (source: EP KR)

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