

Title (en)

Method and apparatus for coating a paper web

Title (de)

Verfahren und Vorrichtung zum Streichen einer Papierbahn

Title (fr)

Procédé et dispositif pour l'enduction d'une bande de papier

Publication

EP 0609483 B1 19970723 (DE)

Application

EP 93112694 A 19930807

Priority

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- DE 4302437 A 19930129

Abstract (en)

[origin: EP0784120A2] The coating is applied at stations. Part of the total coating is applied at each station, and the sum of the coating stations equals the amt. of coating to be applied. The paper web is dried between each coating station. Pref. coating station which gives an indirect cladding action comprises two parallel rollers with a gap between them for the paper web to pass through. Applicator jet(s) is directed at the mantle surface of one roller for the coating medium to be transferred to the web at the roller gap. Each coating station delivers only part of the total coating, and a dryer is after each station. The total vol. of coating material is pref. initially applied to one side of the web, required for that side, and the web is dried. The amt. of coating required for the other side is then applied, and the web is dried again. With station(s) part of the coating is applied and the web is dried, and a further station where the remainder of the coating is applied and the web is dried again. The amt. of coating applied to each side of the web is more than 3 g/m², e.g. 4-8 g/m². After each coating, the web is dried to less than 70% of the dry rating. Each station is pref. a double coating station, with a jet directed at each roller mantle. Or each station is a single applicator station, with a jet directed at only one roller mantle. In the assembly, station(s) is a double unit and station(s) is a single applicator machine.

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