

## 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 0784120 A2 19970716 (DE)**

## Application

**EP 97100214 A 19930807**

## Priority

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## Abstract (en)

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/m<sup>2</sup>, e.g. 4-8 g/m<sup>2</sup>. 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.

## Abstract (de)

Die Erfindung betrifft ein Verfahren zum Streichen einer Papierbahn geringer Festigkeit (Altpapierbasis), mit den folgenden Merkmalen: das Papier wird auf beiden Seiten gestrichen; die Papierbahn wird nach dem Streichen getrocknet; Die Erfindung ist gekennzeichnet durch die folgenden Merkmale: der Strich wird mittels zweier oder mehrerer Streichstationen aufgebracht; mit den einzelnen Streichstationen wird nur ein Teil der Gesamtstreichmenge aufgebracht, wobei sich die Teile der Einzelstreichmengen am Ende des gesamten Streichvorganges zur Gesamtstreichmenge addieren; nach jedem Aufbringen einer Teilstreichmenge wird die Papierbahn getrocknet. <IMAGE>

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## IPC 8 full level

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