

Title (en)

Method and apparatus for removing water from a fibrous web in a papermachine.

Title (de)

Verfahren und Vorrichtung zum Entwässern einer Faserbahn in einer Papiermaschine.

Title (fr)

Procédé et dispositif pour l'élimination de l'eau d'une bande fibreuse dans une machine à papier.

Publication

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Application

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Priority

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Abstract (en)

The present invention relates to a method and apparatus for removing water from a fibrous web. The invention is intended especially for applications to be used in a twin wire former of a paper or a board machine. A problem earlier experienced in foudrinier machines has been fiber flocking in the web surface, which results from a long and tranquil period of flowing, during which period fibers have enough time to stick to one another and form flocks that deteriorate the paper quality. This problem has been solved by arranging rows of dewatering pressure elements (24, 32, 33) as part of the covers (25, 34, 33) of both upper and lower dewatering units (20, 30) so as to match or be aligned at least partly, whereby they generate an intensive turbulence field into the web surface to break the flocks that have already been formed.

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Citation (search report)

- [X] US 3215594 A 19651102 - BAXTER JR JOSEPH, et al
- [A] US 4425188 A 19840110 - FUJIWARA HARUYOSHI [JP]

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