

Title (en)

MULTIPLE ZONE LIMITING ORIFICE DRYING OF CELLULOSIC FIBROUS STRUCTURES, APPARATUS THEREFOR, AND CELLULOSIC FIBROUS STRUCTURES PRODUCED THEREBY

Title (de)

TROCKNUNG VON ZELLULOSEHALTIGEN FASERSTRUKTUREN DURCH GLEICHMÄSSIGE ZONENWEISE VERTEILUNG DER TROCKENLUFT, VORRICHTUNG ZU DESSEN AUSFÜHRUNG UND DADURCH ERHALTENE ZELLULOSEHALTIGE FASERSTRUKTUREN

Title (fr)

SECHAGE MULTIZONE, A ORIFICE LIMITEUR, DE STRUCTURES FIBREUSES CELLULOSIQUES, APPAREIL PREVU A CET EFFET ET STRUCTURES FIBREUSES CELLULOSIQUES OBTENUES

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Application

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Abstract (en)

[origin: WO9641053A1] A limiting orifice through-air-drying apparatus for papermaking or other absorbent embryonic webs. The apparatus has a first zone (41) and a second zone (42). The first (41) zone is maintained at a differential pressure less than the breakthrough pressure, while the second zone (42) is maintained at a differential pressure greater than the breakthrough pressure. The residence time of the embryonic web to be dried with the apparatus is maintained at preferably less than 35 milliseconds on the first zone. Using the dual zone system described above, the overall energy required to run the apparatus can be reduced.

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