

Title (en)
Drying assembly

Title (de)
Trocknungsanordnung

Title (fr)
Ensemble de séchage

Publication
EP 1780331 A1 20070502 (DE)

Application
EP 06121957 A 20061009

Priority
DE 102005051658 A 20051028

Abstract (en)
A paper mill has a paper web (1) drying or finishing station with a high-power drying cylinder (2, 3) of outer radius of 100 cm or more, The web is in contact with the drum through an angle of at least 150. After separation from the cylinder (2, 3) the hot web passes through an evaporation section (7) at least 50 cm long. The web residence period in the evaporation section is at least 0.1 sec. The drying drum diameter is preferably greater than 175 cm. The web is in contact with the drum through an angle of preferably 210C. The drum is steam heated and has a steam supply at 6 bar delivering at least 60 kg/m(2. The drying station has a drying hood with a supply of a hot medium. The cylinder is partly surrounded by a water-heated pressure jacket.

IPC 8 full level
D21F 5/04 (2006.01); **D21F 5/02** (2006.01); **D21F 5/18** (2006.01)

CPC (source: EP)
D21F 5/02 (2013.01); **D21F 5/044** (2013.01); **D21F 5/18** (2013.01)

Citation (applicant)
• WO 2005100684 A1 20051027 - VOITH PAPER PATENT GMBH [DE], et al
• WO 9964671 A1 19991216 - VALMET CORP [FI], et al
• EP 0427218 A2 19910515 - ESCHER WYSS GMBH [DE]

Citation (search report)
• [X] WO 2005100684 A1 20051027 - VOITH PAPER PATENT GMBH [DE], et al
• [X] WO 2005100682 A1 20051027 - VOITH PAPER PATENT GMBH [DE], et al
• [X] WO 9964671 A1 19991216 - VALMET CORP [FI], et al
• [X] EP 0427218 A2 19910515 - ESCHER WYSS GMBH [DE]
• [A] DE 4428745 A1 19960215 - VOITH GMBH J M [DE]

Cited by
EP2138631A1; DE102008002656A1; EP2138630A2; DE102008002663A1; DE102008002655A1; DE102008002657A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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