

Title (en)

Dryer group of a dryer section for web material and use of a dryer group to gradually reduce the vapor pressure in the interior of the web

Title (de)

Trockengruppe einer Trockenpartie für bahnförmiges Material und Verwendung einer Trockengruppe zum stufenweisen Reduzieren des Dampfdrucks im Materialbahnninneren

Title (fr)

Groupe de séchage d'une section de séchage de matériaux en bande et utilisation d'un groupe de séchage pour réduire graduellement la pression de vapeur à l'intérieur de la bande

Publication

EP 0726354 B1 20000621 (DE)

Application

EP 96100386 A 19960112

Priority

DE 19503767 A 19950204

Abstract (en)

[origin: EP0726354A1] The drying group of the drying section of a machine for a web material, and especially a papermaking machine, has a number of permeable drying blankets (9,11,13,15) at the drying cylinder (1), passing round it over each other, with at least two blankets at different positions on the peripheral surface of the drying cylinder (1). Pref. the drying blankets (9,11,13,15) have different permeabilities, decreasing from the lowest level at the drying cylinder (1), outwards. The angle (a-d) round the drying cylinder (1), covered by the drying blankets (9,11,13,15), decreases outwards from the lowest level. The strength of the innermost blanket (9) is less than the others (11,13,15), and it is finer and/or thinner than them. The drying blankets (9,11,13,15) are applied simultaneously or in succession to the web material. The system uses 2-4 blankets, in a drying group in a single row, with alternating drying cylinders and deflection rollers in separate rows, using drying suction rollers for the path deflection. The drying cylinders and the deflection rollers have about the same dia..

IPC 1-7

D21F 5/04

IPC 8 full level

F26B 13/08 (2006.01); **D21F 5/02** (2006.01); **D21F 5/04** (2006.01); **F26B 13/10** (2006.01)

CPC (source: EP US)

D21F 5/04 (2013.01 - EP US)

Designated contracting state (EPC)

AT DE GB IT SE

DOCDB simple family (publication)

US 5649371 A 19970722; AT E194021 T1 20000715; CN 1042246 C 19990224; CN 1137084 A 19961204; DE 19503767 A1 19960808; DE 59605454 D1 20000727; EP 0726354 A1 19960814; EP 0726354 B1 20000621; FI 960479 A0 19960202; FI 960479 A 19960805; JP H08240383 A 19960917

DOCDB simple family (application)

US 59679396 A 19960205; AT 96100386 T 19960112; CN 96101473 A 19960202; DE 19503767 A 19950204; DE 59605454 T 19960112; EP 96100386 A 19960112; FI 960479 A 19960202; JP 1780296 A 19960202