

Title (en)
Twin-wire former

Title (de)
Doppelsiebformer

Title (fr)
Section de formage à deux toiles

Publication
EP 1233105 A3 20031203 (DE)

Application
EP 02000847 A 20020115

Priority
DE 10106731 A 20010214

Abstract (en)
[origin: US2002108732A1] The invention relates to a twin wire former for the production of a fiber web specifically a paper, cardboard or tissue web, from a fiber suspension. The invention is characterized in that the rotating forming roll has an open volume and is a non-suction type; the rotating forming roll has a forming roll diameter of less than 1,400 mm; the rotating forming roll has a forming roll angle of wrap of less than 70°; a forming suction box is located immediately downstream from the rotating forming roll as viewed in direction of wire travel; and in the area of the wedge-shaped inlet nip, the fiber stock suspension has a stock density of between 0.4% and 2.0%, preferably between 0.6% and 1.5%. These characteristics result in an improved forming quality and web quality.

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D21F 9/00

IPC 8 full level
D21F 9/00 (2006.01)

CPC (source: EP US)
D21F 9/003 (2013.01 - EP US)

Citation (search report)
• [XDY] EP 0627523 A1 19941207 - VALMET PAPER MACHINERY INC [FI]
• [Y] US 4209360 A 19800624 - STENBERG ERIK G [SE], et al
• [Y] US 4619737 A 19861028 - HOLZ EMIL [DE]
• [YD] WO 9747803 A1 19971218 - VALMET CORP [FI]
• [A] EP 0504123 A1 19920916 - VALMET PAPER MACHINERY INC [FI]
• [A] EP 0391025 A1 19901010 - ESCHER WYSS GMBH [DE]
• [A] MUELLER K ET AL: "EINSATZ DER GAP-FORMIERTECHNOLOGIE BEI DER HERSTELLUNG VON TESTLINER UND WELLENPAPIEREN", PAPIER, DAS, EDUARD ROETHER KG. DARMSTADT, DE, vol. 45, no. 7, 1 July 1991 (1991-07-01), pages 347 - 354, XP000220105, ISSN: 0031-1340

Cited by
EP2072677A1; EP1975314A3; DE202010016217U1; DE102010042106A1; WO2012045488A1; DE102007055834A1; US9637314B2

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