

Title (en)
WEB FORMING MACHINE

Publication
EP 0072188 A3 19840307 (EN)

Application
EP 82304098 A 19820803

Priority
CA 383379 A 19810807

Abstract (en)
[origin: EP0072188A2] A web-forming machine having first and second endless web-forming bands (12, 14) to receive stock in dewatering web-forming relationship therebetween, a source (18) for depositing stock on at least one said band (12), a first web-forming roll (22) located within the loop of the first band (12 or 14), the first and second bands (12, 14) passing over an arcuate portion of substantially 30 DEG to 60 DEG of the first web-forming roll (22) in convergent wrapping relationship therewith, there being a second web-forming roll (24) which is adjacent the first web-forming roll (22) and is located within the loop of the second band (14 or 12) so that the first and second bands (12, 14) pass over the second web-forming roll (24) in reverse wrapping relationship thereabout, and means for dewatering the stock characterized in that the first web-forming roll (22) is an open, non-suction roll and said bands (12, 14) wrap the first web-forming roll (22) so that the web is only partially formed in a first web-forming zone (31) adjacent the first web-forming roll (22), there being bi-directional dewatering of the stock at the first web-forming roll (22) to form the outer faces of the web while leaving at least an interior portion of the web unformed, and there being reversal of internal water flow through a portion of the thickness of the web at a further web-forming zone (32) adjacent the second web-forming roll (24), whereby to complete the formation of the internal unformed portion of the web.

IPC 1-7
D21G 9/00; **D21F 9/00**

IPC 8 full level
D21F 9/02 (2006.01); **D21F 1/00** (2006.01); **D21F 9/00** (2006.01)

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

Citation (search report)
• [X] FR 2348316 A1 19771110 - VALMET OY [FI]
• [X] US 4209360 A 19800624 - STENBERG ERIK G [SE], et al
• [X] GB 949769 A 19640219 - HUYCK CORP
• [X] DE 2627102 A1 19770120 - KARLSTAD MEKANISKA AB
• [X] GB 993837 A 19650602 - PULP PAPER RES INST

Cited by
EP0304098A1; US7070678B2; WO03048451A1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0072188 A2 19830216; **EP 0072188 A3 19840307**; BR 8204635 A 19830726; CA 1157302 A 19831122; FI 822705 A0 19820803; FI 822705 L 19830208; JP S5841993 A 19830311

DOCDB simple family (application)
EP 82304098 A 19820803; BR 8204635 A 19820806; CA 383379 A 19810807; FI 822705 A 19820803; JP 13783782 A 19820807