

Title (en)
Web former in a paper machine

Title (de)
Blattbildungspartie in einer Papiermaschine

Title (fr)
Section de formage dans une machine à papier

Publication
EP 0627524 B1 20001025 (EN)

Application
EP 94850086 A 19940517

Priority
FI 932265 A 19930518

Abstract (en)
[origin: EP0627524A1] The invention concerns a twin-wire (10,20) web former in a paper machine, comprising a single-wire initial portion, after which the twin-wire zone starts in the area of the ribbed deck (22a) of the first forming shoe (22) placed inside one of the wire loops (10). After the first forming shoe (22), a pressure-loaded (pk) dewatering unit (100) is fitted, which is provided with opposite sets of ribs (31,41) and with dewatering chambers (12,13). The first dewatering chamber (12) in this dewatering unit (100) is placed above the first forming shoe (22) so as, through its suction-deflector duct (16), to remove substantially water that drains from the area of the curved ribbed deck (22a) of the first forming shoe (22). The first dewatering chamber (12) is followed by a second dewatering chamber (13), whose lower part is connected with a set of dewatering and guide ribs (41), into whose gap spaces (41R) the drain duct (19) of the second dewatering chamber (13) is opened. Against the set of dewatering and guide ribs (41), a set of loading ribs operates, which is placed inside the opposite wire loop (20) and which operates by means of the medium pressure (pk) of the loading hoses (33). <IMAGE>

IPC 1-7
D21F 9/00; **D21F 1/48**

IPC 8 full level
D21F 1/48 (2006.01); **D21F 9/00** (2006.01)

CPC (source: EP)
D21F 1/48 (2013.01); **D21F 9/003** (2013.01)

Citation (examination)
US 4769111 A 19880906 - NEVALAINEN TAISTO A [FI], et al

Cited by
CN100427679C; EP0742314A1; US5593546A

Designated contracting state (EPC)
AT CH DE FR GB IT LI SE

DOCDB simple family (publication)
EP 0627524 A1 19941207; **EP 0627524 B1 20001025**; AT E197177 T1 20001115; CA 2123821 A1 19941119; CA 2123821 C 20000516; DE 69426169 D1 20001130; DE 69426169 T2 20010517; FI 932265 A0 19930518; FI 932265 A 19941119; FI 99033 B 19970613; FI 99033 C 19970925

DOCDB simple family (application)
EP 94850086 A 19940517; AT 94850086 T 19940517; CA 2123821 A 19940518; DE 69426169 T 19940517; FI 932265 A 19930518