

Title (en)

Forming-gap arrangement in a twin-wire former of a paper machine.

Title (de)

Formierzone in der Zweisiebenformierpartie einer Papiermaschine.

Title (fr)

Aire de formation dans la section de formage à deux toiles d'une machine à papier.

Publication

EP 0488058 A1 19920603 (EN)

Application

EP 91119880 A 19911121

Priority

FI 905896 A 19901129

Abstract (en)

The invention concerns a forming-gap arrangement in a twin-wire former of a paper machine. The twin-wire former comprises forming wires (10,20) operating one against the other, which forming wires (10,20) define a wedge-shaped narrowing forming gap (G) between them. The forming-gap arrangement comprises two opposite support members (40, 41), whose inner sides have been arranged as direct extensions of the inner sides of the lip walls (31,32) of the headbox that define the discharge duct. The support members (40,41) have been arranged to extend into the forming gap (G) as parallel to one another, so that the free ends (42) of the support members (40,41) are placed at direct proximity of, or in contact with, the forming wires (10,20). The support members (40,41) have a plate-like, isotropic or anisotropic, at least to some extent resilient construction.

<IMAGE>

IPC 1-7

D21F 1/00; **D21F 9/00**

IPC 8 full level

D21F 1/00 (2006.01); **D21F 9/00** (2006.01)

CPC (source: EP)

D21F 1/02 (2013.01); **D21F 1/028** (2013.01); **D21F 9/003** (2013.01)

Citation (search report)

- [X] FR 2014192 A1 19700417 - BELOIT CORP
- [X] GB 1015841 A 19660105 - PAPER MACHINE COMPONENTS INC
- [X] FR 1407606 A 19650730 - TIME
- [A] GB 1156171 A 19690625 - KIMBERLY CLARK CO [US]
- [A] FR 2339704 A1 19770826 - ESCHER WYSS GMBH [DE]
- [A] US 3440136 A 19690422 - NELSON HERBERT C, et al
- [A] US 4574033 A 19860304 - MYREN HARRY I [SE]

Cited by

JP2003505611A; DE19919720A1; EP0711869A3; EP2025809A3; US5766419A; EP2092117A4; EP0526259A1; AP1300A; US6302996B1; WO0107711A1; WO9940254A1; WO9217644A1; WO9803727A1; WO02063097A3

Designated contracting state (EPC)

AT DE FR GB IT SE

DOCDB simple family (publication)

EP 0488058 A1 19920603; FI 905896 A0 19901129; FI 905896 A 19920530

DOCDB simple family (application)

EP 91119880 A 19911121; FI 905896 A 19901129