

Title (en)

Paper machine and process for making a paper web

Title (de)

Papiermaschine sowie Verfahren zur Herstellung einer Materialbahn

Title (fr)

Machine à papier et procédé de fabrication d'une bande de papier

Publication

**EP 0908556 A3 19990804 (DE)**

Application

**EP 98117848 A 19980921**

Priority

DE 19744341 A 19971007

Abstract (en)

[origin: US6197159B1] In a paper making machine for manufacturing a material web (10), such as in particular a paper or cardboard web, the material web (10) to be manufactured is transferred on the surface of a transfer means (24) to a take-off position (30) in the region of which a preferably air-permeable belt (32) having an at least substantially open surface is guided over a take-off roll (34) or the like and takes off the material web (10) from the surface of the transfer means (24). A pressing gap (36) extended in the web running direction (L) is formed at the take-off position (30) with the surface of the transfer means (24, 60) facing the material web (10) being deflected in the region of the extended pressing gap, while forming an at least substantially concave depression (38), and also being pressed by a pressing force intentionally generated in the region of this deflection against the take-off roll (34) in order to thereby assist the take-off of the material web (10) from the surface of the transfer means.

IPC 1-7

**D21G 9/00**; **D21F 3/02**

IPC 8 full level

**D21F 1/32** (2006.01); **D21F 3/02** (2006.01); **D21F 3/04** (2006.01); **D21G 9/00** (2006.01)

CPC (source: EP US)

**D21F 1/32** (2013.01 - EP US); **D21F 3/0218** (2013.01 - EP US); **D21F 3/04** (2013.01 - EP US); **D21F 3/045** (2013.01 - EP US); **D21G 9/0063** (2013.01 - EP US)

Citation (search report)

- [X] DE 4116221 A1 19921119 - VOITH GMBH J M [DE]
- [XA] DE 4026021 A1 19920227 - VOITH GMBH J M [DE]
- [PX] DE 29723115 U1 19980409 - VOITH SULZER PAPIERTECH PATENT [DE]
- [A] DE 4229683 A1 19930408 - MITSUBISHI HEAVY IND LTD [JP]

Cited by

EP1279765A1; EP1739228A1; EP1770204A3; EP1918450A1; EP1422339A1; EP1783269A3; DE102018119381A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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