

Title (en)

Device and method for monitoring web breaks during transfer of a material web, in particular during widening of a leader of the web

Title (de)

Einrichtung und Verfahren zur Überwachung des Überführens einer Materialbahn, insbesondere während der Verbreiterung eines Überführstreifens der Materialbahn, auf einen Abriss der Materialbahn

Title (fr)

Dispositif et procédé de surveillance de rupture de bande pendant le transfert d'une bande de matériau, en particulier pendant l'élargissement d'une bande d'enfillement découpée dans ladite bande

Publication

EP 1640497 A2 20060329 (DE)

Application

EP 05108369 A 20050913

Priority

DE 102004046795 A 20040927

Abstract (en)

In a machine (10) for producing and/or treating a sheet (12) of material, in which the sheet is fed using a guiding device from a production or supply section along a path adapted to a treatment device (14), where a transfer strip of material is formed and transported through the machine by forming a precursor transfer strip and increasing the width to the full width of the sheet (designated 'broad travel'), a device (18) for seizing a tear in the sheet during transfer of the sheet (especially during increasing the width of the transfer strip) is provided to correspond with a tear in the transfer strip or the sheet. Independent claims are included for: (A) a variant of the machine (10), in which the sheet is fed using a guiding device from a production or supply section along a path adapted to a treatment device (14), having a reduced pressure device (18) including a suction chest for seizing a tear in the sheet and including at least one pressure sensor for evaluating the operating pressure in the suction chest; (B) a method for monitoring the transfer of sheet by 'broad travel' as described above, in which monitoring of a tear is carried out during transfer of the sheet (especially during increasing the width of the transfer strip); and (C) apparatus for carrying out the monitoring process, preferably consisting of a machine (10) as described above.

IPC 8 full level

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CPC (source: EP US)

D21F 5/042 (2013.01 - EP US); **D21F 7/04** (2013.01 - EP US); **D21G 9/0063** (2013.01 - EP US)

Citation (applicant)

- DE 10157914 A1 20020829 - VOITH PAPER PATENT GMBH [DE]
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EP1903142A1

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