

Title (en)
Method for producing and/or treatment of a material web

Title (de)
Verfahren zur Herstellung und/oder Behandlung einer Materialbahn

Title (fr)
Procédé pour la fabrication et/ou le traitement d'une bande de matiere

Publication
EP 1437444 A1 20040714 (DE)

Application
EP 03104583 A 20031208

Priority
DE 10260847 A 20021223

Abstract (en)
The adhesive or other coating is applied onto the web of material, at most over the width of the uncut web. Width of coating is less than that of the web. Following the pressing gap a first edge section of the web is taken out. It is removed before the pressing gap. The trimmed edge strip passes through the pressing gap, together with the remaining web. The same processes are applied to the opposite edge strip. Edge strip removal takes place before or after transfer of the web into the next section of the production machine. Further details of plant configurations based on these principles are described. Contaminated edges are cleaned to minimize contamination of the recirculated process water by adhesive, chemicals etc. The water is recirculated in a closed loop; it is neutralized. Further provisions excluding contamination and machine configurations are described. The separated edges are subjected to suction, blowing and/or rolling. They are dried, neutralized, processed and re-used. Their treatment avoids interference with chemicals in the wet section of the machine. A pressing felt with sealed edges is used. The press covering is hydrophobic in the region of the first and/or second edge strip. An Independent claim is included for corresponding coating plant.

Abstract (de)
Bei einem Verfahren zur Herstellung und/oder Behandlung einer Materialbahn, insbesondere Papier- oder Kartonbahn, wird Leim auf die Materialbahn aufgebracht und die Materialbahn zum Einpressen des Leims und/oder zum Aufbringen der entsprechenden Beschichtung durch einen Pressspalt geführt. Die Papierbahn wird randseitig beschnitten. Der Leim wird schmaler als bahnbreit auf die Materialbahn aufgebracht. Es wird auch eine geeignete Leimauftragsvorrichtung beschrieben. <IMAGE>

IPC 1-7
D21H 23/28

IPC 8 full level
D21H 23/28 (2006.01); **D21H 21/16** (2006.01); **D21H 23/56** (2006.01)

CPC (source: EP)
D21H 23/28 (2013.01); **D21H 21/16** (2013.01); **D21H 23/56** (2013.01)

Citation (applicant)
• EP 0079759 A1 19830525 - SCOTT PAPER CO [US]
• US 6277244 B1 20010821 - MESCHENMOSER ANDREAS [DE]

Citation (search report)
• [X] EP 0453427 A2 19911023 - VALMET PAPER MACHINERY INC [FI]
• [X] US 2002162503 A1 20021107 - EICHINGER KURT [AT], et al
• [X] EP 0079759 A1 19830525 - SCOTT PAPER CO [US]
• [X] US 4102299 A 19780725 - WALLSTEN HANS IVAR
• [Y] US 4706603 A 19871117 - WOHLFEIL GERHARD [DE]
• [Y] US 6444030 B1 20020903 - KOHL BERNHARD [DE], et al
• [A] EP 0617167 A1 19940928 - VALMET PAPER MACHINERY INC [FI]
• [A] US 6277244 B1 20010821 - MESCHENMOSER ANDREAS [DE]
• [A] US 5908534 A 19990601 - LARSSON L HANS-ERIK [SE], et al
• [A] US 5507916 A 19960416 - SCHIEL CHRISTIAN [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

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