

Title (en)

An installation for compacting paper and method of using the same

Title (de)

Anlage zum Verdichten von Papier und Verfahren zu deren Verwendung

Title (fr)

Installation de compactage de papier et procédé de son utilisation

Publication

EP 2561982 A1 20130227 (EN)

Application

EP 11405305 A 20110822

Priority

EP 11405305 A 20110822

Abstract (en)

An installation for compacting paper comprises a processing device (13) shiftable along a rail (14) transversally to the direction of motion of a rubber blanket (4) running over blanket carrier rolls (1, 2, 3) which impresses a microcrepe-like structure on a paper web (9). The processing device (13) which is used to grind or roughen the outer surface of the rubber blanket (4), e.g., once a day, has a drivable processing wheel (15) rotatable about an axis parallel to those of the blanket carrier rolls (1, 2, 3) and exhibiting a structured surface covering at least part of its circumference which can be pressed against the rubber blanket (4). The structured surface can be formed by grinding teeth covering a base or, if the paper web (9) is to be provided with a high friction surface, with blade-like extensions arranged in parallel rows on a base. For siphoning off the cuttings a pipe (18) which is part of a suction apparatus is arranged at the processing wheel (15). The processing device (13) is shifted along the rail (14) at intervals, with the processing wheel (13) rotating and pressing against the outer surface of the rubber blanket (4) for processing, e.g., grinding, the same.

IPC 8 full level

B31F 1/18 (2006.01); **D06C 21/00** (2006.01); **D21F 11/14** (2006.01)

CPC (source: EP)

B31F 1/126 (2013.01); **B31F 1/16** (2013.01)

Citation (applicant)

EP 0749828 A2 19961227 - PATRIA PAPIER & ZELLSTOFF [AT]

Citation (search report)

- [YA] FR 2210934 A5 19740712 - HOJYO IWAJIRO [JP]
- [YA] DE 202006008197 U1 20070927 - BRUECKNER TROCKENTECHNIK GMBH [DE]
- [A] US 6279211 B1 20010828 - DISCHLER LOUIS [US]

Cited by

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 11405305 A 20110822; ES 11405305 T 20110822