

Title (en)

DEVICE AND PROCESS FOR COMBINING AND PROCESSING SEVERAL PAPER WEBS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ZUSAMMENFÜHREN UND VEREDELN MEHRERER PAPIERBAHNEN

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE REUNIR ET DE TRAITER DES BANDES DE PAPIER

Publication

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Application

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Abstract (en)

[origin: US5779233A] PCT No. PCT/EP95/01402 Sec. 371 Date Oct. 15, 1996 Sec. 102(e) Date Oct. 15, 1996 PCT Filed Apr. 13, 1995 PCT Pub. No. WO95/28345 PCT Pub. Date Oct. 26, 1995A device for combining and processing at least two paper or foil webs includes at least two pay-out units (1a, 1b, 1c), in each of which a paper web (3a, 3b, 3c) provided with markings applied at regular intervals is pulled off by withdrawal rolls (7a, 8a, 7b, 8b, 7c, 8c) from a roll (2a, 2b, 2c) and, possibly guided over deflection rollers (13a, 13b, 13c), is combined with the at least second paper web (3a, 3b, 3c) and fed to a processing line (11). In processing line (11) preferably the at least two paper webs (3a, 3b, 3c), possibly independent of one another, pass through processing units and are supplied to a unit (15) for further processing. Means are provided for congruent longitudinal register control of the at least two paper webs (3a, 3b, 3c), said means comprising means for producing a paper tension that is essentially the same for each of the at least two paper webs (3a, 3b, 3c), over the width of the respective paper web, web feelers (18, 17a, 17b, 17c) for registering the time sequence of the markings on each paper web (3a, 3b, 3c), and a control unit (19) for controlling a drive or brake device. Withdrawal rolls, especially in the form of rubber rolls (14a, 14b), are provided as means for developing paper tension, said rolls being located downstream of processing line (11) and preferably directly upstream of unit (15) for further processing.

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