Title (en)

DEVICE FOR CUTTING A PAPER WEB IN THE TRANSVERSE DIRECTION

Title (de)

VORRICHTUNG ZUM QUERSCHNEIDEN EINER PAPIERBAHN

Title (fr)

DISPOSITIF DE COUPE D'UNE BANDE CONTINUE DE PAPIER DANS LE SENS TRANSVERSAL

Publication

EP 1034128 A1 20000913 (DE)

Application

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Priority

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- DE 19748789 A 19971105

Abstract (en)

[origin: DE19748789A1] A device for cutting a paper web (P) in the transverse direction has a first continuously driven conveyor (1) for moving the paper web through the device and storing the paper web therein (buffer) during cutting in the form of a loop (20), a stationary cutting device (5), a clamping device (4) for temporarily retaining the paper web, and a second conveyor (6) for moving the paper web further after it is stored. The second conveyor (6) comprises a continuously driven transport roller (6a) and several pressure rollers (6b) that can be intermittently pressed by a lifting device (9) onto the transport roller (6a), the paper web (P) being intercalated between the transport roller and the pressure rollers. The clamping device (4) and the lifting device (9) can be driven in step with the cutting device (5), so that the paper web is retained by the clamping device (4) and the pressure rollers (6b) are lifted from the transport roller (6a) while the paper web is cut. The second conveyor (6) is arranged between the clamping device (4) and the cutting device (5). Its transport roller (6a) has a surface layer (8) with the highest possible coefficient of friction with the paper web (P). The lifting device (9) is designed or can be controlled in such a way that the pressure rollers (6b) are lifted from the transport roller (6a) shortly before the paper web is stretched when the loop (20) is undone.

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Citation (search report)

See references of WO 9924343A1

Cited by

CN118323917A; US10106356B2; EP1479628A1; EP1683651A2; EP1475327A1

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