Title (en)

Process and apparatus for threading a web tail

Title (de)

Vorrichtung und Verfahren zur Überführung eines Einfädelstreifens einer Materialbahn

Title (fr)

Procédé et dispositif pour enfiler une bande

Publication

EP 1099794 B1 20040519 (DE)

Application

EP 00122669 A 20001018

Priority

DE 19954466 A 19991112

Abstract (en)

[origin: EP1099794A1] The assembly (1) to thread the leader strip of a paper/cardboard web, across the space between the pick-up zone (3) and transfer zone (5) of two machine sections, has two transfer belts (13,15) against each other at least at the transfer stretch. The leader strip is carried between the belts, which clamp it in place. The transfer belts (13,15) are moved from a rest position into the transfer stretch, across the direction of web travel, when a leader strip is to be threaded through. Each transfer belt (13,15) is continuous, forming a closed loop. They are brought together at the start of the transfer stretch, and separated at the end of it. The transfer belts (13,15) pass around at least one guide disk (25,27,29), rotating freely at the end side of a roller (7,9,11). The movement of the transfer belts (13,15), across the direction of web travel, is equal to the belt width of 20-600 mm and pref. 200 mm. The transfer belts (13,15) have a thickness of 0.2-4.0 mm. The position of the transfer belts (13,15) is shifted into the center of the web movement path. The transfer belts (13,15) are of plastics, metal or leather, and at least their facing surfaces are smooth. At least one transfer belt (13,15) is permeable to gas. Each transfer belt (13,15) is carried by a system (31,31') to move its position and has a unit (37,37') to control its edge setting together with a speed control. An Independent claim is included for a web leader strip threading action, where the transfer belt is moved from a parked position into the path of web travel. The web leader strip is advanced to lie on the transfer belt to be carried to the entry of the next machine section, and the transfer belt is returned to its inactive setting. Preferred Features: During the transfer action, the web leader strip is held firmly in a force fit by a clamping force between the two transfer belts which is sufficient to overcome a longitudinal drawing tension.

IPC 1-7

D21G 9/00

IPC 8 full level

D21G 9/00 (2006.01)

CPC (source: EP)

D21G 9/0063 (2013.01)

Designated contracting state (EPC)

AT DE FI SE

DOCDB simple family (publication)

EP 1099794 A1 20010516; **EP 1099794 B1 20040519**; AT E267292 T1 20040615; DE 19954466 A1 20010517; DE 50006473 D1 20040624

DOCDB simple family (application)

EP 00122669 A 20001018; AT 00122669 T 20001018; DE 19954466 A 19991112; DE 50006473 T 20001018