

Title (en)

Device for separating and threading a web tail

Title (de)

Vorrichtung zum Trennen und Überführen eines Einführstreifens

Title (fr)

Dispositif pour séparer et enfiler la bande directrice

Publication

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Application

EP 00107676 A 20000410

Priority

DE 19929927 A 19990629

Abstract (en)

[origin: EP1065313A2] The appts. (10) to cut a leader strip (12) at a web of paper or cardboard, for feeding into papermaking or paper finishing machine stages, has a cutter (16) and a transfer unit (18) to carry it to a following machine stage. The cutter (16) and transfer unit (18) are pref. mounted to a common plate (22). Before cutting, the leader strip (12) is passed to the plate (22), to be tensed for cutting, with the transfer unit (18) in front of the cutter (16) in the direction (L) of material travel. The plate (22) is mounted at a scraper beam (24). The transfer unit is an air transfer unit (18). Before cutting, the leader strip (12) is stabilized by a blown air stream at the side of the plate (22) towards the leader strip (12), at a tangent. An air guide plate (30) is after the cutter (16), in the direction (L) of travel, to apply tension to the leader strip (12), at the side of the plate (22) towards the leader (12). The air guide plate (30) is pitched at an angle to the plate (22) surface so that the leader (12) is lifted from the plate (22) surface to pass through the cutting zone of the cutter (16). At least two air guide plates (30) can be fitted, in succession on the direction (L) of paper travel. The air transfer unit (18) has a number of blowing jets, with adjustment movement. It can have a blowing tube, with a row of blower jets parallel to the tube axis, with at least some which can be adjusted, and the blowing tube can be set by rotation around its axis. Adjustable jets at the air transfer system can be used to stabilize and/or tense the leader (12). The cutter (16) gives a shear cut and/or a parallel cut. The cutter (16) has at least two cutting blades, with a setting screw adjustment at two frame sections which swing in relation to each other. The cutting blades are smooth or they can be perforated and/or toothed.

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