Title (en)

BANDING MACHINE

Publication

EP 0234417 B1 19911211 (DE)

Application

EP 87101924 A 19870211

Priority

DE 3604509 A 19860213

Abstract (en)

[origin: EP0234417A1] A banding machine for wrapping elongated products (7), having a banding material (6), a winding disc (3), which can be driven such that it rotates about an axis (4) of rotation perpendicular to the disc surface, and which has an opening, aligned with the axis (4) of rotation, through which the product (7) is guided in the direction of the axis (4) of rotation, having a winding drum (10) for the banding material (6), which winding drum is supported such that it can rotate on the winding disc (3) about an axis (11) parallel to its axis (4) of rotation, and having a guide pin (12), arranged on the winding disc (3), whose longitudinal axis (13) is arranged to guide the banding material (6) at an angle alpha with respect to the axis (11) of rotation of the winding drum (10), and which is designed in a diabolo shape as a function of the angle alpha , such that when the banding material (6) is wound around the guide pin (12), at the start of the winding process, a straight line of contact is formed between the circumferential surface of the guide pin (12) and the banding material (6), which, like all these straight lines of contact are located on the banding plane parallel to these straight lines of contact, are arranged at right angles to the longitudinal axis (21) of the band, the circumferential surface of the guide pin (12) being driveable such that the relative speed between the circumferential surface and the banding material (6) is zero. <IMAGE>

IPC 1-7

B65B 11/00; H01B 13/08

IPC 8 full level

B65H 81/06 (2006.01); **B65B 11/00** (2006.01); **H01B 13/08** (2006.01)

CPC (source: EP KR)

B65B 11/008 (2013.01 - EP); **C23C 26/00** (2013.01 - KR); **H01B 13/08** (2013.01 - EP)

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DOCDB simple family (publication)

EP 0234417 A1 19870902; **EP 0234417 B1 19911211**; AT E70384 T1 19911215; DE 3604509 A1 19870820; DE 3604509 C2 19921203; DE 3775082 D1 19920123; JP S62196274 A 19870829; KR 870008053 A 19870924

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EP 87101924 A 19870211; AT 87101924 T 19870211; DE 3604509 A 19860213; DE 3775082 T 19870211; JP 3230387 A 19870213; KR 870001243 A 19870213