

Title (en)

Machine for forming rolls from a web of paper.

Title (de)

Maschine zum Herstellen von Rollen aus einer Papierbahn.

Title (fr)

Machine pour former des rouleaux à partir d'une bande de papier.

Publication

EP 0044814 A1 19820127 (FR)

Application

EP 81810292 A 19810717

Priority

CH 551380 A 19800718

Abstract (en)

1. Machine for forming rolls from a paper band (4) comprising at least one receiving mandrel, means for rotating this mandrel in a first position, in order to form a roll, a cutting device (5-7) for cutting the paper band (4) when the roll has reached the desired size and a distributor (9, 16, 17) of adhesive pieces (18) for attaching the terminal edge of the band (4) to the last layer of the roll, characterized in that the machine comprises devices (1) intended to transport the roll having reached the desired size from said first position (3) to a second position (31), adapted in such a way that the paper band (4) crosses the cutting device when the roll is in this second position (31), the machine comprising a mechanism for rotating the roll in this second position after the cutting of the paper band, this mechanism comprising a driving roller (15) adapted in such a manner that it presses against the external layer of the roll, and being driven over a predetermined angle in order to bring the terminal edge of the band of the considered roll in a superimposed position with the last layer of the roll and facing said distributor.

Abstract (fr)

Une bande de papier 4 qui à été enroulée sur un mandrin en position 3 est amenée en position 3', la bande est alors coupée dans sa portion 4' par un galet de coupe 7, coopérant avec un rail 5. Le galet 15 en contact avec la périphérie d'un rouleau en position 3' fait tourner celui-ci pour appliquer sur le bord terminal de la bande 4 une étiquette adhésive 18 destinée à maintenir fermer la dernière spire du rouleau.

IPC 1-7

B65H 19/29

IPC 8 full level

B65H 19/29 (2006.01)

CPC (source: EP)

B65H 19/29 (2013.01); **B65H 2301/414421** (2013.01)

Citation (search report)

- FR 2235075 A1 19750124 - PRINTEX SA [BE]
- FR 2392918 A1 19781229 - KAMPF MASCHF ERWIN [DE]
- NL 7310743 A 19750205 - HUNTER DOUGLAS INTERNATIONAL
- FR 2207504 A5 19740614 - DOLLINGER IRMA [DE]

Cited by

FR2827972A1; US4903907A; US6863238B1; US6935396B2; WO03010077A1; WO0138213A3; EP0106167B1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 0044814 A1 19820127; **EP 0044814 B1 19840229**; CH 637595 A5 19830815; DE 3162432 D1 19840405

DOCDB simple family (application)

EP 81810292 A 19810717; CH 551380 A 19800718; DE 3162432 T 19810717