

Title (en)

Device for connecting the ends of band ties in tying machines

Title (de)

Vorrichtung zum Verbinden der Umschnürungsbandenden an Umschnürungsmaschinen

Title (fr)

Dispositif pour raccorder les extrémités d'un lien de cerclage dans des machines de cerclage

Publication

EP 1002720 A3 20000927 (DE)

Application

EP 99120945 A 19991102

Priority

- DE 19853722 A 19981120
- DE 19913405 A 19990325
- DE 19920797 A 19990506

Abstract (en)

[origin: EP1002720A2] The arrangement has a binding tape guide and a clamping and connecting station (20) with clamping and closure rods (29) forced by springs (37) against a camshaft (34), which moves the rods into working and release positions. The springs are coil springs and the camshaft engages a central region of the clamping and closure rods.

IPC 1-7

B65B 13/32; **B65B 13/18**; **B65B 13/22**

IPC 8 full level

B65B 13/18 (2006.01); **B65B 13/22** (2006.01); **B65B 13/32** (2006.01)

CPC (source: EP)

B65B 13/18 (2013.01); **B65B 13/22** (2013.01); **B65B 13/32** (2013.01); **B65B 13/322** (2013.01)

Citation (search report)

- [A] DE 4014305 A1 19911107 - RMO SYSTEMPACK GMBH [DE]
- [A] EP 0720948 A1 19960710 - SMB SCHWEDE MASCHINENBAU GMBH [DE]
- [A] US 5379576 A 19950110 - KOYAMA SEIICHIRO [JP]

Cited by

EP1489012A1; EP1318073A1; EP1277657A1; AU2002300181B2; US6857252B2; WO2013039951A1; US8683919B2; US9073652B2; JP2009166899A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1002720 A2 20000524; **EP 1002720 A3 20000927**; **EP 1002720 B1 20050817**; AT E302141 T1 20050915; ES 2245494 T3 20060101

DOCDB simple family (application)

EP 99120945 A 19991102; AT 99120945 T 19991102; ES 99120945 T 19991102