

Title (en)

Device for transporting material in the form of strips or tape

Title (de)

Vorrichtung zum Transport von band- oder streifenförmigen Material

Title (fr)

Dispositif de transport de matériau en forme de bande ou de ruban

Publication

EP 2574244 B1 20160203 (DE)

Application

EP 12184383 A 20120914

Priority

DE 102011114434 A 20110928

Abstract (en)

[origin: EP2574244A2] The device has a fitting unit that changes the tensile force in band-or-strip-shaped material. A deflecting unit (18) deflects the band-or-strip-shaped material to an angle in the conveying plane. A sensor device senses the tension in the band-or-strip-shaped material. The fitting unit controls the tension of the band-or-strip-shaped material based on the signal of the sensor unit.

IPC 8 full level

A24C 5/20 (2006.01)

CPC (source: EP)

A24C 5/20 (2013.01)

Citation (opposition)

Opponent : Hauni Maschinenbau AG.

- US 4945926 A 19900807 - MATTEI RICCARDO [IT], et al
- EP 0790782 B1 19990616 - ROTHMANS INTERNATIONAL LTD [GB]
- US 4383633 A 19830517 - SERAGNOLI ENZO [IT]
- GB 2189467 A 19871028 - NEW JERSEY MACHINE INC
- GB 957740 A 19640513 - HORACE ALEXANDER STONE, et al
- US 5156169 A 19921020 - HOLMES GREGORY A [US], et al
- US RE36154 E 19990323 - MATTEI RICCARDO [IT], et al
- US 2002029785 A1 20020314 - SCHAFFORZ MATHIAS [DE]
- WO 2004045320 A1 20040603 - BROWN & WILLIAMSON TOBACCO [US]
- US 4648409 A 19870310 - MATTEI RICCARDO [IT]

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2574244 A2 20130403; EP 2574244 A3 20130619; EP 2574244 B1 20160203; CN 103030022 A 20130410; CN 103030022 B 20170426; DE 102011114434 A1 20130328; EP 2712508 A1 20140402; EP 2712508 B1 20160203; EP 2716170 A1 20140409; EP 2716170 B1 20160203; EP 2716170 B2 20210922; PL 2574244 T3 20160831; PL 2712508 T3 20160729; PL 2716170 T3 20160729; PL 2716170 T5 20211227

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EP 12184383 A 20120914; CN 201210368912 A 20120927; DE 102011114434 A 20110928; EP 13196193 A 20120914; EP 13196195 A 20120914; PL 12184383 T 20120914; PL 13196193 T 20120914; PL 13196195 T 20120914