

Title (en)

Tension adjustment device in a strapping head and relative strapping machine

Title (de)

Spannungsanpassungsvorrichtung in einem Umreifungskopf und zugehörige Umreifungsmaschine

Title (fr)

Dispositif d'ajustement de la tension dans une tête de cerclage et machine de cerclage correspondante

Publication

EP 2460732 A1 20120606 (EN)

Application

EP 11191533 A 20111201

Priority

IT MI20102232 A 20101202

Abstract (en)

An adjustment strap tensioning device in a strapping head for a strapping machine is disclosed, of the type comprising at least a plurality of transmission pulleys apt to impart the launch and recovery of a strap ribbon, actuated by an actuation motor (M), as well as a yielding system moving in opposition to spring means according to the tension imparted on the strap by said transmission pulleys, comprising furthermore a star-shaped wheel (24) the rotation of which is proportional to the displacement of said yielding system moving in opposition to a spring (22), said star-shaped wheel (24) comprising a plurality of equally distanced marks detectable by a sensor/transducer (26) apt to issue in correspondence a counting signal of the number of marks detected during the rotation of said star-shaped wheel (24), recovery of said strap ribbon performed by said actuation motor (M) being stopped upon reaching a preset threshold of said counting signal.

IPC 8 full level

B65B 13/22 (2006.01)

CPC (source: EP)

B65B 13/22 (2013.01)

Citation (applicant)

- EP 0061620 A2 19821006 - SESTESE OFF MEC [IT]
- EP 0795475 A1 19970917 - SESTESE OFF MEC [IT]
- EP 0603868 A1 19940629 - SESTESE OFF MEC [IT]
- EP 0061620 A2 19821006 - SESTESE OFF MEC [IT]

Citation (search report)

- [AD] EP 0061620 A2 19821006 - SESTESE OFF MEC [IT]
- [A] FR 2621555 A1 19890414 - STRAPACK CORP [JP], et al
- [A] US 2002129866 A1 20020919 - CZEBA TUL PHILIP A [US], et al
- [A] WO 2008103952 A1 20080828 - DOYLE DAVID RICHARD [US], et al

Cited by

IT201700001007A1; CN108647769A; CN112027172A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2460732 A1 20120606; IT 1402910 B1 20130927; IT MI20102232 A1 20120603

DOCDB simple family (application)

EP 11191533 A 20111201; IT MI20102232 A 20101202