

Title (en)
STRAPPING MACHINE WITH AN IMPROVED UNIT FOR MOVING THE STRAP

Title (de)
BANDUMREIFUNGSMASCHINE MIT EINER VERBESSERTEN EINHEIT ZUM BEWEGEN DES BANDES

Title (fr)
MACHINE DE CERCLAGE AVEC UNE UNITÉ AMÉLIORÉE POUR DÉPLACER LA COURROIE

Publication
EP 3351479 A1 20180725 (EN)

Application
EP 18152024 A 20180117

Priority
IT 201700005654 A 20170119

Abstract (en)
A strapping machine comprises an outlet (10) for a strap to be wound around a product and a system (11) for delivering, recalling and tensioning the strap. This system (11) comprises a drive unit (13) for delivering and recalling the strap, having a first drive wheel (14) and a counter-pressure wheel (15) which rests, under the action of a spring member (20), against the first drive wheel (14) with the strap (12) arranged in between so as to guide it at a first speed determined by the first drive wheel (14). A second tensioning drive wheel (16) is also provided and is normally kept spaced from the counter-pressure wheel (15) by means of a further spring member (17). The strap (12) passes around the drive wheel (16) directed from the drive unit (13) towards the outlet (10) of the strapping machine. Once a predefined tension value of the strap being recalled is exceeded, the second tensioning drive wheel (16) moves against the action of the further elastic member (17) and rests and pushes against the counter-pressure wheel (15) with the strap (12) arranged in between, so as to disengage the counter-pressure wheel (15) from the first drive wheel (14) and guide the strap (12) during tensioning at a second speed determined by the second drive wheel (16).

IPC 8 full level
B65B 13/18 (2006.01); **B65B 13/22** (2006.01)

CPC (source: EP)
B65B 13/18 (2013.01); **B65B 13/22** (2013.01)

Citation (search report)
• [XAY] EP 0095643 A2 19831207 - HOESCH WERKE AG [DE]
• [Y] WO 2015117254 A1 20150813 - ORGAPACK GMBH [CH]
• [Y] EP 1177978 A1 20020206 - STRAPACK CORP [JP]

Cited by
IT201900005974A1

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

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