

Title (en)

Belt loop sewing apparatus and method of controlling belt loop sewing apparatus

Title (de)

Gurtschlaufennähvorrichtung und Verfahren zum Steuern einer Gurtschlaufennähvorrichtung

Title (fr)

Appareil de couture de boucle de ceinture et procédé de commande correspondant

Publication

EP 2463429 A3 20150527 (EN)

Application

EP 11192509 A 20111208

Priority

JP 2010274353 A 20101209

Abstract (en)

[origin: EP2463429A2] The invention relates to a belt loop sewing apparatus including: a holding unit which holds one of ends in a longitudinal direction of a belt loop disposed in the longitudinal direction; a clamp unit which includes a loop clamp capable of clamping or releasing the other end of the belt loop from a holding position set by the holding unit and which moves the loop clamp in a direction crossing the longitudinal direction; a fork unit which includes, on a tip, a fork formed into a forked shape and interposing the belt loop between the holding unit and the loop clamp, which is rotatable around an axis in the direction crossing the longitudinal direction and movable in the direction crossing the longitudinal direction together with the loop clamp, and which folds one of the ends of the belt loop back toward a central side of the belt loop by a rotation of the fork unit; and a controller which controls the rotation of the fork unit in order to fold the one of the ends of the belt loop back toward the central side of the belt loop, wherein the held belt loop is moved in the direction crossing the longitudinal direction to place the belt loop in a sewing position of a sewing machine, and wherein the controller moves the loop clamp holding the belt loop by a predetermined amount in the direction crossing the longitudinal direction and then rotates the fork unit to fold the end of the belt loop.

IPC 8 full level

D05B 35/06 (2006.01)

CPC (source: EP)

D05B 35/066 (2013.01); **D05B 35/068** (2013.01)

Citation (search report)

- [X] JP 2010075386 A 20100408 - JUKI KK
- [X] JP 2010075380 A 20100408 - JUKI KK
- [X] JP 2010075383 A 20100408 - JUKI KK
- [X] JP 2010264179 A 20101125 - JUKI KK
- [A] JP 2003311058 A 20031105 - BROTHER IND LTD

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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

Designated extension state (EPC)

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DOCDB simple family (publication)

EP 2463429 A2 20120613; **EP 2463429 A3 20150527**; **EP 2463429 B1 20161026**; CN 102535034 A 20120704; CN 102535034 B 20150422; JP 2012120730 A 20120628; JP 5759158 B2 20150805

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