

Title (en)

Hammer position adjustment mechanism for buttonhole cutting device of buttonholing machine

Title (de)

Hammerpositionierungseinstellungsmechanik für Knopflochschneidevorrichtung einer Knopflochstichnähmaschine

Title (fr)

Mécanisme de réglage de position de marteau pour dispositif de coupe de boutonnières d'une machine pour boutonnières

Publication

**EP 2837720 A1 20150218 (EN)**

Application

**EP 14171343 A 20140605**

Priority

TW 102129422 A 20130816

Abstract (en)

A hammer position adjustment mechanism for a buttonhole cutting device of a buttonholing machine is adapted to change the length of a buttonhole to be cut on a fabric, and includes a hammer, a locating block connected to and driven by a driving unit to move vertically, a slidable hammer holder connected to the hammer and slidably assembled to the locating block to move vertically along with the locating block, a driving source for driving the slidable hammer holder to move laterally in <sup>3</sup>-axis direction through meshing of a rack provided on the slidable hammer holder with a gear toothed shaft connected to the driving source. With these arrangements, the hammer can be adjusted in position with a simplified mechanism that includes fewer parts to reduce the manufacturing cost of the buttonholing machine and occupies less operational space on the buttonholing machine to facilitate convenient buttonhole stitching.

IPC 8 full level

**D05B 3/06** (2006.01); **D05B 37/04** (2006.01); **D05B 69/00** (2006.01)

CPC (source: EP KR)

**A41H 25/00** (2013.01 - KR); **D05B 3/06** (2013.01 - EP); **D05B 37/04** (2013.01 - EP); **D05B 69/00** (2013.01 - EP)

Citation (search report)

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- [A] US 4727817 A 19880301 - SAKUMA KOUICHI [JP]
- [A] EP 0887454 A2 19981230 - JUKI KK [JP]
- [A] EP 2166142 A1 20100324 - JUKI KK [JP]

Cited by

CN108078046A; CN110754741A

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)

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DOCDB simple family (application)

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