

Title (en)
BUTTONHOLING SEWING MACHINE

Title (de)
KNOPFLOCHNÄHMASCHINE

Title (fr)
MACHINE À COUDRE DES BOUTONNIÈRES

Publication
EP 3081682 A1 20161019 (EN)

Application
EP 16165470 A 20160415

Priority
JP 2015083934 A 20150416

Abstract (en)
A buttonholing sewing machine (1) in which a buttonholing sewing control is performed for formation of buttonholing seam. In performing a buttonholing sewing control, a control device (70) causes formation of a double buttonholing seam around a buttonhole and causes a knife mechanism (30) to form a buttonhole before formation of a second buttonholing seam and performs an opening width varying control of controlling a press mechanism (40) so that it makes the buttonhole opening width larger in forming the second buttonholing seam than in forming a first buttonholing seam. The thus-configured buttonholing sewing machine (1) can form a double buttonholing seam satisfactorily.

IPC 8 full level
D05B 3/08 (2006.01); **D05B 19/12** (2006.01)

CPC (source: CN EP)
D05B 3/08 (2013.01 - EP); **D05B 19/08** (2013.01 - CN); **D05B 19/12** (2013.01 - EP); **D05B 27/04** (2013.01 - CN); **D05B 37/02** (2013.01 - CN)

Citation (applicant)

- JP 2013252159 A 20131219 - JUKI KK
- JP H11333164 A 19991207 - JUKI KK
- JP 2009006196 A 20090115 - JUKI KK

Citation (search report)

- [XDA] JP 2013252159 A 20131219 - JUKI KK
- [A] JP 2008307401 A 20081225 - BROTHER IND LTD
- [A] DE 102009004605 A1 20090813 - JUKI KK [JP]
- [A] US 6223664 B1 20010501 - GAMANO JUN [JP], et al
- [A] US 5752456 A 19980519 - NISHIZAWA YOSHIFUMI [JP], et al
- [A] DE 4132586 A1 19920409 - BROTHER IND LTD [JP]

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 3081682 A1 20161019; EP 3081682 B1 20180606; CN 106048906 A 20161026; CN 106048906 B 20200515; JP 2016202283 A 20161208

DOCDB simple family (application)
EP 16165470 A 20160415; CN 201610236994 A 20160415; JP 2015083934 A 20150416