

Title (en)
Buttonholing machine

Title (de)
Knopflochmaschine

Title (fr)
Machine à faire des boutonnieres

Publication
EP 1997945 A1 20081203 (EN)

Application
EP 08157438 A 20080602

Priority
JP 2007145168 A 20070531

Abstract (en)
A buttonholing machine includes a stitching mechanism, a cloth feeding mechanism having a mounting table on which a workpiece is mounted, a cloth cutting mechanism operable to cut the workpiece, which has been delivered to a cutting position by the cloth feeding mechanism, to form a buttonhole, and control means for controlling each of the mechanisms to form the buttonhole on the workpiece and to form side stitches along the buttonhole. The buttonholing machine further includes image capturing means for capturing an image of the workpiece mounted on the mounting table from below, the image capturing means being disposed below a cloth mounting surface of the mounting table, and display means for displaying the image of the workpiece captured by the image capturing means.

IPC 8 full level
D05B 3/06 (2006.01); **D05B 19/02** (2006.01)

CPC (source: EP)
D05B 3/06 (2013.01); **D05B 19/02** (2013.01)

Citation (applicant)
JP H0426434 A 19920129 - BROTHER IND LTD

Citation (search report)
• [YA] DE 10022238 A1 20001109 - JUKI KK [JP]
• [YA] US 4798152 A 19890117 - SIMONS FRANK H [US], et al
• [AD] JP H0426434 A 19920129 - BROTHER IND LTD
• [A] WO 8912126 A1 19891214 - PFAFF IND MASCH [DE]
• [A] EP 1321556 A2 20030625 - GEGAUF FRITZ AG [CH]
• [A] JP 2006272011 A 20061012 - JUKI KK

Cited by
WO2019219296A1; US11441253B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 1997945 A1 20081203; CN 101314891 A 20081203; CN 101314891 B 20130220; JP 2008295742 A 20081211

DOCDB simple family (application)
EP 08157438 A 20080602; CN 200810108675 A 20080530; JP 2007145168 A 20070531