

Title (en)
Buttonholing machine

Title (de)
Knopflochstichnähmaschine

Title (fr)
Machine pour boutonnières

Publication
EP 2192220 A1 20100602 (EN)

Application
EP 09177285 A 20091127

Priority
JP 2008302629 A 20081127

Abstract (en)

The invention relates to a buttonholing machine (10). The buttonholing machine (10) includes a needle bar turning base which is arranged inside an arm portion (2c) of a frame (2), and a looper base (47) and a turning mechanism (60) which are arranged inside a bed portion (2a). The turning mechanism (60) includes a turning motor (61) which serves as a turning drive source, a driving pulley (62) coupled to the turning motor (61), a first driven pulley (63) coupled to the looper base (47), a transmission shaft (64) which transmits a rotational force to the needle bar turning base inside the arm portion (2c) from the inside of the bed portion (2a), a second driven pulley (65) coupled to the transmission shaft (64), and a timing belt (66) which transmits the rotational force from the driving pulley (62) to each of the first and second driven pulleys (63, 65). A rotation ratio of two of the driving pulley (62), the first driven pulley (63), and the second driven pulley (65) is other than 1:1. An origin detecting means (68, 69) for detecting an origin position of the turning motor (61) is provided on each of said two pulleys.

IPC 8 full level
D05B 3/08 (2006.01)

CPC (source: EP KR)
D05B 3/06 (2013.01 - KR); **D05B 3/08** (2013.01 - EP KR); **D05B 19/12** (2013.01 - KR)

Citation (applicant)
JP 2004008519 A 20040115 - JUKI KK

Citation (search report)

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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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2192220 A1 20100602; EP 2192220 A8 20110119; EP 2192220 B1 20120418; AT E554213 T1 20120515; CN 101748561 A 20100623;
CN 101748561 B 20130213; JP 2010125043 A 20100610; JP 5241449 B2 20130717; KR 20100061394 A 20100607

DOCDB simple family (application)

EP 09177285 A 20091127; AT 09177285 T 20091127; CN 200910226283 A 20091127; JP 2008302629 A 20081127;
KR 20090115725 A 20091127