

Title (en)

MULTI-THREAD CHAIN STITCH SEWING MACHINE WITH SEAM RAVEL PREVENTING APPARATUS

Title (de)

MEHRADRIGE KETTENSTICH-NÄHMASCHINE MIT VORRICHTUNG ZUR VERHINDERUNG EINER NAHTVERWICKLUNG

Title (fr)

MACHINE À COUDRE À POINT DE CHÂINETTE MULTIFILS AYANT UN APPAREIL DE PRÉVENTION D'EFFILOCHURE DE COUTURE

Publication

**EP 2742177 A4 20150422 (EN)**

Application

**EP 12821831 A 20120807**

Priority

- JP 2011183121 A 20110808
- JP 2012070714 W 20120807

Abstract (en)

[origin: WO2013022115A1] A needle plate base (11) in a multi-thread chain stitch sewing machine with a seam ravel preventing apparatus is divided into a left needle plate base (11L) for attaching a needle plate (P) thereto and supporting a swinging support shaft (30) of a thread hanging hook (3); and a right needle plate base (11R) for fixedly supporting a stopper member (4) and a thread handling air cylinder (32) and a stopper air cylinder (42). The right needle plate base (11R) is fastened to a sewing machine bed (B). The left needle plate base (11L) is fastenably and unfastenably fastened to an upper surface of the bed (B) via screw members (102). Adjustment of stitch performance, and maintenance, e.g., replacement of various kinds of components stored inside the bed, can extremely easily and simply be carried out without having much trouble and requiring labor and time, and therefore, the stitch performance and predetermined ravel preventing function can be constantly surely reproduced.

IPC 8 full level

**D05B 1/10** (2006.01); **D05B 65/02** (2006.01); **D05B 65/06** (2006.01); **D05B 73/12** (2006.01)

CPC (source: EP KR US)

**D05B 1/10** (2013.01 - EP KR US); **D05B 3/025** (2013.01 - EP US); **D05B 65/02** (2013.01 - EP KR US); **D05B 65/06** (2013.01 - EP KR US); **D05B 73/12** (2013.01 - EP KR US)

Citation (search report)

- [A] GB 2250034 A 19920527 - KANSAI SPECIAL USA CORP [US]
- [A] EP 1050614 A2 20001108 - PEGASUS SEWING MACHINE MFG CO [JP]
- [A] JP H1157268 A 19990302 - PEGASUS SEWING MACHINE MFG CO
- See references of WO 2013022115A1

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

DOCDB simple family (publication)

**WO 2013022115 A1 20130214**; CN 102926142 A 20130213; CN 102926142 B 20161221; CN 203200483 U 20130918; EP 2742177 A1 20140618; EP 2742177 A4 20150422; EP 2742177 B1 20191009; JP 2013034812 A 20130221; JP 5522577 B2 20140618; KR 101955279 B1 20190308; KR 20140049496 A 20140425; RU 2563755 C1 20150920; TW 201307632 A 20130216; TW I523985 B 20160301; US 2015136004 A1 20150521

DOCDB simple family (application)

**JP 2012070714 W 20120807**; CN 201210279199 A 20120807; CN 201220389662 U 20120807; EP 12821831 A 20120807; JP 2011183121 A 20110808; KR 20137014064 A 20120807; RU 2013135101 A 20120807; TW 101126762 A 20120725; US 201214118902 A 20120807