

Title (en)

Apparatus for driving embroidery frame of embroidery machine

Title (de)

Verfahren zum Antrieb des Stickrahmens einer Stickmaschine

Title (fr)

Appareil de commande d'un cadre de broderie d'une machine à broder

Publication

EP 1947228 A3 20150121 (EN)

Application

EP 07011161 A 20070606

Priority

- KR 20070005457 A 20070117
- KR 20070023140 A 20070308

Abstract (en)

[origin: EP1947228A2] Disclosed is a driving apparatus of an embroidery frame of a sewing machine in which a driving unit of a sewing frame reciprocates on an X- and/or Y-axis fixed frames, installed to a beam-body of the sewing machine so that a uniform driving force can be transmitted to the embroidery frame, inferior embroidery caused by vibration can be prevented, a size of the sewing machine is reduced, and a high-speed operation is enabled. The apparatus includes an embroidery frame driving unit having the embroidery frame to fix an object and placed on a table of the sewing machine, and a Y-directional movement mechanism to move the frame driving unit in the Y-direction. The Y-directional movement mechanism includes a fixed frame having gear teeth, and an embroidery frame driving unit installed on the fixed frame engaged with the gear teeth to reciprocate the frame driving unit in the Y-direction.

IPC 8 full level

D05C 9/06 (2006.01); **D05B 21/00** (2006.01)

CPC (source: EP)

D05B 21/00 (2013.01); **D05C 9/06** (2013.01)

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 HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

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AL BA HR MK RS

DOCDB simple family (publication)

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