

Title (en)
WORKPIECE-MOVING DEVICE AND SEWING MACHINE USING SAME

Title (de)
WERKSTÜCKBEWEGUNGSVORRICHTUNG UND NÄHMASCHINE DAMIT

Title (fr)
DISPOSITIF DE MOUVEMENT DE PIÈCE ET MACHINE À COUDRE L'UTILISANT

Publication
EP 3101166 A4 20171129 (EN)

Application
EP 14879610 A 20140127

Priority
JP 2014000380 W 20140127

Abstract (en)
[origin: EP3101166A1] Provided is a workpiece-moving device that is installed to a sewing machine without depending thereon, and does not share a drive unit's weight with a conveyance device, and can rotate without any restriction. The workpiece-moving device that translates and rotates a workpiece during operation of a sewing machine, includes a frame to be translated by a conveyance motor, a loading table on which the workpiece is put, the loading table being disposed rotatably to the frame and translated together with the frame, a drive unit that is installed so as to keep unchanged the drive unit's relative position to the sewing machine even when the frame and the loading table are translated by the conveyance motor's driving, and a transmission means to transmit driving force of the drive unit to the loading table to rotate the loading table. Furthermore, another workpiece-moving device includes a frame to be translated by a conveyance motor, a loading table on which the workpiece is put, the loading table being disposed rotatably to the frame and translated together with the frame, and a regulation means to regulate part of movement of the loading table translated with the frame, into movement in a direction different from a direction in which the whole loading table is translated.

IPC 8 full level
D05B 21/00 (2006.01); **D05B 39/00** (2006.01)

CPC (source: EP)
D05B 21/00 (2013.01); **D05B 39/00** (2013.01)

Citation (search report)

- [A] JP H06105979 A 19940419 - JUKI KK
- [A] US 5438942 A 19950808 - OKUNO AKIRA [JP], et al
- [A] US 2012145060 A1 20120614 - LEE DONG GYU [KR]
- [A] WO 8603794 A1 19860703 - FRYE DAVID E
- See references of WO 2015111099A1

Designated contracting state (EPC)
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