

Title (en)
CLEANING APPARATUS FOR A NEEDLE BED OF COMPOUND NEEDLES

Title (de)
REINIGUNGSVORRICHTUNG FÜR NADELBETT VON SCHIEBERNADELN

Title (fr)
APPAREIL DE NETTOYAGE POUR FONTURE D'AIGUILLES À COULISSE

Publication
EP 3715513 A1 20200930 (EN)

Application
EP 20158715 A 20200221

Priority
JP 2019059291 A 20190326

Abstract (en)
There is provided a cleaning apparatus for a needle bed of compound needles that is capable of reliably and efficiently clean a needle bed of a flatbed knitting needle machine equipped with compound needles. A needle bed 2, removed from a flatbed knitting machine and attached to a cleaning bath 3 of a cleaning apparatus for needle bed 1, is cleaned with a liquid such as a cleaning liquid or water sprayed from a nozzle 4. The nozzle 4 is attached to a head 5 that is movable along the surface of the needle bed 2. The compound needles are accommodated in needle grooves of the needle bed 2. While holding positions of sliders, spraying the liquid from the nozzle 4 onto butts for driving needle bodies to move the needle bodies with respect to needle grooves makes it possible to clean the needle bed 2 reliably and efficiently, switching relative positions of the needle bodies and the sliders.

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D04B 37/02 (2013.01 - CN EP KR)

Citation (applicant)
• EP 2841632 B1 20160810 - GALIOTTO MARCELLO [IT]
• JP 2946323 B2 19990906
• JP 2011162894 A 20110825 - SHIMA SEIKI MFG
• JP H0466941 A 19920303 - BROTHER IND LTD

Citation (search report)
• [XDY] EP 2841632 B1 20160810 - GALIOTTO MARCELLO [IT]
• [XY] EP 3168352 A1 20170517 - MARITEX S R L [IT]
• [XP] WO 2019073368 A1 20190418 - GALIOTTO MARCELLO [IT]
• [Y] IT TV20110150 A1 20130505 - L G PROJECT S R L

Designated contracting state (EPC)
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