

Title (en)
TOPPING DEVICE

Title (de)
BESCHICHTUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE REBROUSSAGE

Publication
EP 2233622 A4 20131009 (EN)

Application
EP 08869149 A 20081209

Priority
• JP 2008003672 W 20081209
• JP 2007340462 A 20071228

Abstract (en)
[origin: EP2233622A1] There is provided a topping device in which the track of each unit of the topping device falls within the installation space of the flat knitting machine main body, and in which the topping needles can draw a free track. A topping device 2 for removing a knitted fabric, which is knitted with a flat knitting machine 1 including a needle beds 5 in which a plurality of knitting needles are arranged in rows, from the knitting needles while maintaining an aligned state of stitches held at the knitting needles and transporting the knitted fabric is provided. The topping device 2 includes a first shaft 21 arranged in parallel to the needle beds 5 on the upper side of the needle beds 5 of the flat knitting machine 1; a first arm pair 201 extending from both ends of the first shaft 21; a second shaft 22 bridged in parallel to the first shaft 21 at distal ends of the first arm pair 201; a second arm pair 202 extending from both ends of the second shaft 22; a third shaft 23 bridged in parallel to the first shaft 21 at distal ends of the second arm pair 202; and a plurality of topping needle 25 arranged in rows at the third shaft 23.

IPC 8 full level
D04B 15/02 (2006.01)

CPC (source: EP)
D04B 15/02 (2013.01); **D04B 15/20** (2013.01); **D04B 15/94** (2013.01)

Citation (search report)
• [X] US 2186023 A 19400109 - KENNETH HOWIE
• [AD] US 3446042 A 19690527 - FONTAINE LEON
• [AD] DE 2005439 A1 19701119
• See references of WO 2009084157A1

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 MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 2233622 A1 20100929; EP 2233622 A4 20131009; EP 2233622 B1 20141105; CN 101910487 A 20101208; CN 101910487 B 20120530; JP 5330266 B2 20131030; JP WO2009084157 A1 20110512; WO 2009084157 A1 20090709

DOCDB simple family (application)
EP 08869149 A 20081209; CN 200880123236 A 20081209; JP 2008003672 W 20081209; JP 2009547878 A 20081209