

Title (en)
FLAT KNITTING MACHINE

Title (de)
FLACHSTRICKMASCHINE

Title (fr)
MÉTIER À TRICOTER RECTILIGNE

Publication
EP 3719191 B1 20231206 (EN)

Application
EP 20167838 A 20200402

Priority
JP 2019073176 A 20190405

Abstract (en)
[origin: EP3719191A1] A flat knitting machine that includes a plurality of needles 1 arranged on needle beds; a cam system that causes the needles 1 to perform a knitting operation, and needle selection actuators configured to select the needles 1. A select jack 3 of the needle 1 includes a first engaging portion 3A with which part of a selector 4 engages when the selector 4 moves from a bottom position to an intermediate position, and a second engaging portion 3B with which part of the selector 4 engages when the selector 4 moves from the bottom position to an advanced position. The cam system includes a switching cam 6 configured to sink the selection butt 31 into the needle groove 2g when switching the selector 4 from engaging with the first engaging portion 3A to engaging with the second engaging portion 3B. The switching cam 6 has a height in the protruding direction that is smaller than the height, in the protruding direction, of the fixing pressor 5.

IPC 8 full level
D04B 15/68 (2006.01); **D04B 15/32** (2006.01); **D04B 15/70** (2006.01)

CPC (source: CN EP KR)
D04B 15/10 (2013.01 - KR); **D04B 15/16** (2013.01 - KR); **D04B 15/32** (2013.01 - EP); **D04B 15/36** (2013.01 - KR); **D04B 15/68** (2013.01 - EP); **D04B 15/70** (2013.01 - CN EP); **D04B 15/82** (2013.01 - CN)

Cited by
EP4253625A1

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)
EP 3719191 A1 20201007; **EP 3719191 B1 20231206**; CN 111793889 A 20201020; CN 111793889 B 20220107; JP 2020169431 A 20201015; JP 7307580 B2 20230712; KR 102366041 B1 20220221; KR 20200117891 A 20201014

DOCDB simple family (application)
EP 20167838 A 20200402; CN 202010254838 A 20200402; JP 2019073176 A 20190405; KR 20200040256 A 20200402