

Title (en)
WEFT KNITTING MACHINE

Title (de)
FLACHSTRICKMASCHINE

Title (fr)
MÉTIER À MAILLES CUEILLIES

Publication
EP 2392710 A4 20130306 (EN)

Application
EP 09834315 A 20091203

Priority
• JP 2009006579 W 20091203
• JP 2008333398 A 20081226

Abstract (en)
[origin: EP2392710A1] A flat knitting machine capable of suppressing a vibration of a knitting operation butt when the knitting operation butt comes into contact with a lowering inclined plane is provided. The flat knitting machine is provided with a cam system including a cam plate 100, a needle raising cam 2, a bridge cam 3, and a stitch cam 4, and is further provided with a pair of in-and-out cams 1. Each in-and-out cam 1 is configured to freely go in and out from the cam plate between a rising inclined plane 8 and a lowering inclined plane 9. The in-and-out cam 1 is in an in-state so as not to inhibit movement of the knitting operation butt 70 on a side where the knitting operation butt 70 is raised by the rising inclined plane 8, and is in an out-state so as to make an up and down vibration margin of the knitting operation butt small at a guide inclined plane 10 facing a rear end of the knitting operation butt 70 on a side where the knitting operation butt 70 is lowered by the lowering inclined plane 9.

IPC 8 full level
D04B 15/36 (2006.01)

CPC (source: EP KR)
D04B 15/32 (2013.01 - KR); **D04B 15/36** (2013.01 - EP KR)

Citation (search report)
• [AD] JP H01104863 A 19890421 - SHIMA SEIKI MFG
• [AD] EP 1835059 A1 20070919 - SHIMA SEIKI MFG [JP]
• [A] GB 2119413 A 19831116 - SHIMA IDEA CENTER CO LTD
• [A] JP H0586565 A 19930406 - SHIMA SEIKI MFG
• [A] EP 1536050 A1 20050601 - SHIMA SEIKI MFG [JP]
• See references of WO 2010073500A1

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 MK MT NL NO PL PT RO SE SI SK SM TR

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