

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)  
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