

Title (en)
FLAT KNITTING MACHINE

Title (de)
FLACHSTRICKMASCHINE

Title (fr)
MACHINE À TRICOTER RECTILIGNE

Publication
EP 3546632 A1 20191002 (EN)

Application
EP 19166014 A 20190328

Priority
JP 2018069637 A 20180330

Abstract (en)
A flat knitting machine that contactlessly supplies electrical power to moving bodies of the flat knitting machine is provided. The flat knitting machine includes needle beds in which multiple knitting needles are arranged side-by-side, and moving bodies 2 that are involved in the knitting of a knitted fabric by traveling along a rail 1R. This flat knitting machine includes: a primary coil 31 that is connected to a power supply of the flat knitting machine and has an axis that is held parallel with the axis of the rail 1R; a tubular member 34 that is provided on each of the moving bodies 2, the primary coil 31 passing through the tubular member 34; a secondary coil 32 that is wound around the tubular member 34 and receives electrical power from the primary coil 31 through electromagnetic induction; a control circuit 20 that is provided on each of the movingbodies 2 and is connected to the secondary coil 32; and at least one electrical device 6 that is provided on each of the moving bodies 2 and operates under control of the control circuit 20.

IPC 8 full level
D04B 15/94 (2006.01); **D04B 15/00** (2006.01); **D04B 15/44** (2006.01); **D04B 15/48** (2006.01); **D04B 15/56** (2006.01)

CPC (source: CN EP KR)
D04B 7/02 (2013.01 - CN); **D04B 15/44** (2013.01 - CN EP KR); **D04B 15/48** (2013.01 - KR); **D04B 15/56** (2013.01 - CN EP);
D04B 15/78 (2013.01 - KR); **D04B 15/94** (2013.01 - EP)

Citation (applicant)
• DE 4308251 A1 19931104 - SCHIEBER UNIVERSAL MASCHF [DE]
• CN 101139777 A 20080312 - JIALIN FENG [CN]

Citation (search report)
• [AD] DE 4308251 A1 19931104 - SCHIEBER UNIVERSAL MASCHF [DE]
• [AD] CN 101139777 A 20080312 - JIALIN FENG [CN]
• [A] EP 1444393 A1 20040811 - UNIV MANCHESTER [GB]

Cited by
US11987913B2; CN110616499A

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

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