

Title (en)

Yarn feeding device of flatbed knitting machine

Title (de)

Garnzuführvorrichtung einer Flachbettstrickmaschine

Title (fr)

Dispositif d'alimentation en fil de machine à tricoter à plateau

Publication

EP 2889405 A1 20150701 (EN)

Application

EP 14197171 A 20141210

Priority

JP 2013272540 A 20131227

Abstract (en)

A yarn feeding device (1) of a flatbed knitting machine includes a yarn feeding arm (12) that extends downward from a base that slides along a travel rail, the yarn feeding arm (12) being connected to a plaiting-yarn feeding port (14); a swing arm (2) that is supported so as to be swingable in front and back directions with respect to the yarn feeding arm (12), the swing arm (2) having the plaiting-yarn feeding port (14) at a lower end portion; a shift member (31) supported so as to be vertically slidable with respect to the yarn feeding arm (12); and shift operation means (37) for shifting the plaiting-yarn feeding port (14) between a reference position and a front or back position using the swing arm (2) in accordance with a vertical slide of the shift member (31).

IPC 8 full level

D04B 15/56 (2006.01)

CPC (source: EP KR)

D04B 7/00 (2013.01 - KR); **D04B 15/48** (2013.01 - KR); **D04B 15/482** (2013.01 - KR); **D04B 15/54** (2013.01 - KR); **D04B 15/56** (2013.01 - EP); **D04B 15/80** (2013.01 - EP)

Citation (applicant)

JP H0525758 A 19930202 - SHIMA SEIKI MFG

Citation (search report)

- [XAI] WO 0015890 A1 20000323 - DU PONT [US], et al
- [AD] EP 0523916 A1 19930120 - SHIMA SEIKI MFG [JP]
- [A] EP 1764432 A1 20070321 - SHIMA SEIKI MFG [JP]

Cited by

US2023366137A1; CN110016754A; CN112520501A; CN113512810A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2889405 A1 20150701; **EP 2889405 B1 20170419**; CN 104746231 A 20150701; CN 104746231 B 20170412; JP 2015127460 A 20150709; JP 6257322 B2 20180110; KR 101648373 B1 20160816; KR 20150077311 A 20150707

DOCDB simple family (application)

EP 14197171 A 20141210; CN 201410835748 A 20141226; JP 2013272540 A 20131227; KR 20140181986 A 20141217