

Title (en)
Knitting yarn holding device for flatbed knitting machine

Title (de)
Strickgarnhaltevorrichtung für Flachstrickmaschinen

Title (fr)
Dispositif de maintien de fil à tricoter pour métier à tricoter rectiligne.

Publication
EP 2354285 A1 20110810 (EN)

Application
EP 11001055 A 20110209

Priority
JP 2010026644 A 20100209

Abstract (en)
[Problem to be Solved] To provide a knitting yarn holding device for a flatbed knitting machine that can hold a knitting yarn securely and with care to prevent it from dropping out. [Solution] A knitting yarn holding device 1, captures a knitting yarn 4 fed from a yarn feeder port 3 at an edge of a needle bed by moving a hook 5a forward and backward relative to a needle bed gap 2, and can clip and hold the knitting yarn 4, between side surfaces of a latching stop part 5b and of a supporting accept part 7a on the needle bed side, when the hook 5a is pulled in from the needle bed gap 2. To a cam groove 5c, a follower part 6c in the vicinity of a depressing part 6b installed at the head end of an elastic leg 6a being extended from a spacer 6 installed as an upper retainer of a hook bar 5 is fitted in, and the elastic leg 6a energizes the follower part 6c in the direction coming into contact with a cam face 5d. Pressing plates 7 are mounted on both sides of the spacer 6. On the needle bed gap 2 side of the pressing plate 7, a supporting accept part 7a is formed, which presses the hook 5a by pressing parts 7b from both sides of the portion holding the knitting yarn 4 to prevent the hook 5a from opening, and thereby holds the knitting yarn securely.

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

CPC (source: EP)
D04B 15/00 (2013.01); **D04B 15/56** (2013.01); **D04B 15/565** (2013.01)

Citation (applicant)
JP H0415973 B2 19920319

Citation (search report)
• [XA] KR 20050014665 A 20050207 - SHIMA SEIKI MFG & JP 4015973 B2 20071128
• [A] EP 1847639 A1 20071024 - STOLL H GMBH & CO KG [DE]
• [A] JP H02269848 A 19901105 - SHIMA SEIKI MFG
• [A] JP 2002302852 A 20021018 - MATSUTANI TEKKO KK

Cited by
US2015013393A1; EP2824227B1

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 2354285 A1 20110810; EP 2354285 B1 20141112; CN 102146613 A 20110810; CN 102146613 B 20140924; JP 2011162912 A 20110825; JP 5637698 B2 20141210

DOCDB simple family (application)
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