

Title (en)

WEFT KNITTING MACHINE EQUIPPED WITH MOVABLE SINKER

Title (de)

KULIERSTRICKBINDE ODER KULIERWIRKMASCHINE MIT PLATINEN

Title (fr)

MÉTIER À MAILLES CUEILLIES ÉQUIPÉ D'UNE PLATINE MOBILE

Publication

EP 2305866 A4 20121226 (EN)

Application

EP 09762256 A 20090609

Priority

- JP 2009002598 W 20090609
- JP 2008155673 A 20080613

Abstract (en)

[origin: EP2305866A1] To provide a flatbed knitting machine having a movable sinker that can produce a sufficient pressing force in the closed state with a simple structure. A movable sinker 50 includes a sinker 51, a sinker jack 52 and a wire spring 53. The wire spring 53 is supported in abutment with a front end portion 52a of the sinker jack 52. On condition that no load is applied to the yarn receiving portion 51d, whether in the opened state of the sinker or in the closed state, the wire spring 53 thrusts the front end portion 52a of the sinker jack 52 from the front side closer to the needle bed gap 2 and also thrusts the front end portion 52a from the back side as well in a sandwiching manner. Even when the sinker 51 increases in stroke in the closed state, the knitted fabric in the needle bed gap 2 can be pressed down by a pressing force nearly equal to that in the opened state.

IPC 8 full level

D04B 15/06 (2006.01)

CPC (source: EP)

D04B 15/06 (2013.01); **D04B 15/10** (2013.01); **D04B 15/90** (2013.01)

Citation (search report)

- [AD] EP 1655398 A1 20060510 - SHIMA SEIKI MFG [JP]
- [A] US 6092396 A 20000725 - SCHMID FRANZ [DE], et al
- [A] EP 1247887 A1 20021009 - SHIMA SEIKI MFG [JP]
- [AD] WO 2008018185 A1 20080214 - SHIMA SEIKI MFG [JP], et al
- See references of WO 2009150825A1

Cited by

EP2775019A1; EP2894245A1; KR20150083778A

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 TR

DOCDB simple family (publication)

EP 2305866 A1 20110406; **EP 2305866 A4 20121226**; **EP 2305866 B1 20150930**; CN 102046867 A 20110504; CN 102046867 B 20120822; JP 5414670 B2 20140212; JP WO2009150825 A1 20111110; WO 2009150825 A1 20091217

DOCDB simple family (application)

EP 09762256 A 20090609; CN 200980120003 A 20090609; JP 2009002598 W 20090609; JP 2010516751 A 20090609