Title (en)

MOVABLE SINKER AND WEFT KNITTING MACHINE

Title (de)

PLATINE UND KULIERSTRICK- ODER KULIERWIRKMASCHINE

Title (fr)

PLATINE MOBILE ET MÉTIER À MAILLES CUEILLIES

Publication

EP 2050849 B1 20120201 (EN)

Application

EP 07790362 A 20070810

Priority

• JP 2007000875 W 20070810
• JP 2006219357 A 20060811

Abstract (en)

[origin: EP2050849A1] To provide a movable sinker and a flat knitting machine that can be manufactured at a low cost even when a torque spring portion is integrated to a sinker portion, can eliminate individual variations, and can shorten manufacturing work hours. From the intermediate section between a support part 12a and an arm part 12b of a sinker portion 12 of a movable sinker 11, a torque spring portion 13 is extended in the direction opposite to the arm part 12b. Following the extending part 13a, a roundabout part 13b is formed to take roundabout course to a virtual center of a circle 4c on the inner circumferential side of the support part 12a. Following the roundabout part 13b, an idle end part 13c that runs parallel to the extending part 13a is formed. Between the roundabout part 13b and the idle end part 13c, a projection part 13d that projects outwards in the radial direction is provided to add the line length of the torque spring. By the addition of the line length, the relationship between sufficient amount of displacement and the load can be obtained for the sinker even manufactured from punching out process by a press machine.

IPC 8 full level

D04B 15/06 (2006.01)

CPC (source: EP)

D04B 15/06 (2013.01); **D04B 15/10** (2013.01); **D04B 15/70** (2013.01); **D04B 15/90** (2013.01)

Cited by

CN103806209A; EP2775019A1

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DOCDB simple family (publication)

EP 2050849 A1 20090422; **EP 2050849 A4 20101020**; **EP 2050849 B1 20120201**; AT E543931 T1 20120215; CN 101490324 A 20090722; CN 101490324 B 20110413; JP 5161089 B2 20130313; JP WO2008018185 A1 20091224; WO 2008018185 A1 20080214

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