

Title (en)
FIXED SINKER AND FLATBED KNITTING MACHINE

Title (de)
FESTE PLATINE UND FLACHSTRICKMASCHINE

Title (fr)
PLATINE FIXE ET MACHINE À TRICOTER RECTILIGNE

Publication
EP 3656905 B1 20211201 (EN)

Application
EP 19209010 A 20191113

Priority
JP 2018213493 A 20181114

Abstract (en)
[origin: EP3656905A1] It is an object of the present invention to provide a fixed sinker and a flatbed knitting machine capable of making a collision between a fixed sinker and a knitting member less likely to occur. A fixed sinker 1 includes a plate-like sinker body 2 that has a function of forming a sinker loop. At least one side surface 2a of the sinker body 2 has a slope of thickness such that the thickness increases along a transition direction from an upper start end 2f to a lower terminal end 2g. The other side surface 2b of the sinker body 2 has also a similar slope. With the slopes of thickness increase on the both side surfaces 2a, 2b, the sinker body 2 has a tapered shape as shown in a front view of (a). Since the sinker body 2 is thin at the upper start end 2f, even when a knitting member such as a loop presser enters from above opposing needle bed, it is possible to make a collision less likely to occur.

IPC 8 full level
D04B 15/06 (2006.01); **D04B 7/04** (2006.01)

CPC (source: CN EP KR)
D04B 7/04 (2013.01 - EP); **D04B 15/06** (2013.01 - CN EP KR); **D04B 15/10** (2013.01 - EP); **D04B 15/12** (2013.01 - KR);
D04B 15/96 (2013.01 - CN)

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

DOCDB simple family (publication)
EP 3656905 A1 20200527; **EP 3656905 B1 20211201**; CN 111188120 A 20200522; JP 2020079466 A 20200528; JP 7256632 B2 20230412;
KR 102291245 B1 20210818; KR 20200056325 A 20200522

DOCDB simple family (application)
EP 19209010 A 20191113; CN 201911109544 A 20191114; JP 2018213493 A 20181114; KR 20190144732 A 20191113