

Title (en)

SINKER CRANKSHAFT AND CONNECTING ROD MECHANISM OF WARP KNITTING MACHINE WITH SINGLE NEEDLE BED

Title (de)

PLATINENKURBELWELLE UND VERBINDUNGSSTANGENMECHANISMUS EINER KETTENWIRKMASCHINE MIT EINZELNADEL BETT

Title (fr)

MÉCANISME D'ARBRE À VILEBREQUIN ET DE BIELLE DE CONNEXION DE PLATINE D'ABATTAGE DE MÉTIER À MAILLES JETÉES À FONTURE UNIQUE

Publication

**EP 3231915 B1 20190410 (EN)**

Application

**EP 15867266 A 20150415**

Priority

- CN 201410741069 A 20141209
- CN 2015076601 W 20150415

Abstract (en)

[origin: EP3231915A1] The present invention relates to a sink crankshaft-connecting rod mechanism for a warp knitting machine with a single needle bed, which is a connecting rod mechanism composed of a connecting rod frame, a crankshaft, a plurality of connecting rods and pin shafts; the connecting rod mechanism can effectively shorten the stroke of the needle bed connecting rod mechanism, such that its vibration and inertia are low, and the machine can be operated at a higher speed, thereby improving the production efficiency.

IPC 8 full level

**D04B 27/08** (2006.01)

CPC (source: CN EP)

**D04B 27/08** (2013.01 - CN EP)

Citation (opposition)

Opponent : **KARL MAYER R&D GmbH**

- CN 201753393 U 20110302 - ZHEJIANG YUEJIAN MACHINERY MANUFACTURE CO LTD
- CN 102733070 A 20121017 - CHANGZHOU WUJIN WUYANG TEXTILE MACHINERY CO LTD
- CN 203382956 U 20140108 - CHANGZHOU RUNYUAN WARP KNITTING MACHINERY CO LTD

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 3231915 A1 20171018; EP 3231915 A4 20180516; EP 3231915 B1 20190410**; CN 104452081 A 20150325; DE 202015009770 U1 20200128; ES 2732461 T3 20191122; TR 201909381 T4 20190722; WO 2016090785 A1 20160616

DOCDB simple family (application)

**EP 15867266 A 20150415**; CN 201410741069 A 20141209; CN 2015076601 W 20150415; DE 202015009770 U 20150415; ES 15867266 T 20150415; TR 201909381 T 20150415