

Title (en)  
DOUBLE-SIDED RING SPINNING MACHINE WITH STRETCHING UNIT

Title (de)  
DOPPELSEITIGE RINGSPINNMASCHINE MIT STRECKWERKEN

Title (fr)  
MÉTIER À FILER À ANNEAUX DOUBLE FACE POURVU DE BANCS D'ÉTIRAGE

Publication  
**EP 3524716 B1 20221012 (DE)**

Application  
**EP 19154520 A 20190130**

Priority  
DE 102018102232 A 20180201

Abstract (en)  
[origin: JP2019131947A] To provide a ring spinning machine with a long draft device, a draft device bottom roller of which is driven to avoid adequately twist.SOLUTION: A double-row type ring spinning machine has a draft device, a bottom roller of which can be driven by a drive device arranged on an end side of the machine and at least one additional auxiliary drive device 28. The auxiliary drive device has one electric motor type drive device 29, one main transmission 30, and two distribution transmissions 31. The two distribution transmissions are allotted to the bottom roller, and each have a fixing device 33. The fixing device is connected to the bottom roller at a support point 38 in a first intermediate space between two working units so as to support the distribution transmission. The distribution transmission is connected to the bottom roller at a drive point 18 in a second intermediate space between two working units so as to transmit a torque.SELECTED DRAWING: Figure 3

IPC 8 full level  
**D01H 1/22** (2006.01)

CPC (source: CN EP)  
**D01H 1/22** (2013.01 - CN EP); **D01H 5/56** (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 3524716 A1 20190814; EP 3524716 B1 20221012**; CN 110106586 A 20190809; CN 110106586 B 20211008;  
DE 102018102232 A1 20190801; ES 2931082 T3 20221223; JP 2019131947 A 20190808; JP 7136714 B2 20220913

DOCDB simple family (application)  
**EP 19154520 A 20190130**; CN 201910097816 A 20190131; DE 102018102232 A 20180201; ES 19154520 T 20190130;  
JP 2019015171 A 20190131