

Title (en)
DRAFTING DEVICE FOR SPINNING FRAME

Title (de)
STRECKVORRICHTUNG FÜR SPINNRAHMEN

Title (fr)
DISPOSITIF D#ETIRAGE POUR UN METIER A FILER

Publication
EP 3124658 A1 20170201 (EN)

Application
EP 16179877 A 20160718

Priority
JP 2015149848 A 20150729

Abstract (en)
A drafting device includes a pressing portion that increases the contact pressure between a back bottom apron and a back top apron without changing the contact pressure between a middle bottom apron and a middle top apron. This does not hinder feeding of fibers of a first roving that are held by a front bottom roller and a front top roller. Additionally, separation of fibers from a second roving and breaking of the second roving may be limited between the holding position of the front bottom roller and the front top roller and the holding position of the back bottom roller and the back top roller.

IPC 8 full level
D01H 5/36 (2006.01); **D01H 5/88** (2006.01); **D02G 3/34** (2006.01)

CPC (source: CN EP)
D01H 5/26 (2013.01 - CN EP); **D01H 5/36** (2013.01 - CN EP); **D01H 5/88** (2013.01 - EP); **D02G 3/34** (2013.01 - EP)

Citation (applicant)
WO 2015033811 A1 20150312 - TOYOTA JIDOSHOKKI KK [JP]

Citation (search report)

- [XA] JP S4843976 B1 19731221
- [YD] WO 2015033811 A1 20150312 - TOYOTA JIDOSHOKKI KK [JP]
- [Y] US 2239863 A 19410429
- [Y] DE 19547462 A1 19970626 - ZINSER TEXTILMASCHINEN GMBH [DE]
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Cited by
EP3461938A1; CN108728950A; EP4382647A1; LU503151B1; WO2019016414A1

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3124658 A1 20170201; EP 3124658 B1 20190306; CN 106400217 A 20170215; CN 106400217 B 20201016; ES 2718243 T3 20190628; JP 2017031512 A 20170209; JP 6358187 B2 20180718; TR 201906637 T4 20190521

DOCDB simple family (application)
EP 16179877 A 20160718; CN 201610592045 A 20160725; ES 16179877 T 20160718; JP 2015149848 A 20150729; TR 201906637 T 20160718