

Title (en)
TENSOR, DRAFT DEVICE, AND SPINNING MACHINE

Title (de)
SPANNER, STRECKVORRICHTUNG UND SPINNMASCHINE

Title (fr)
TENDEUR, DISPOSITIF DE TRACTION ET MÉTIER À FILER

Publication
EP 3173511 A1 20170531 (EN)

Application
EP 16194718 A 20161020

Priority
JP 2015221338 A 20151111

Abstract (en)
A tensor (40) includes rollers (54a to 54d) adapted to support an apron belt (18a), a supporting body (52) in which bearings (56a to 56d, 58a to 58d) adapted to detachably position the rollers (54a to 54d) are arranged in one direction, and a main body section (50) extending in a rotation axis direction of the bottom roller (16a) and on which the supporting body (52) is detachably fixed so that the bearings (56a to 56d, 58a to 58d) are arranged along a draft direction of a fiber bundle (S).

IPC 8 full level
D01H 5/88 (2006.01)

CPC (source: CN EP)
D01H 4/02 (2013.01 - CN); **D01H 4/30** (2013.01 - CN); **D01H 5/88** (2013.01 - EP)

Citation (applicant)
DE 102005000990 A1 20060720 - SAURER GMBH & CO KG [DE]

Citation (search report)

- [XY] US 2953822 A 19600927 - SCHILTKNECHT ADOLF DIPL ING [CH]
- [XY] WO 2006064177 A1 20060622 - SUPER SPINNING MILLS LTD [IN], et al
- [Y] FR 1382701 A 19641218 - ZINSER TEXTILMASCHINEN GMBH
- [YD] DE 102005000990 A1 20060720 - SAURER GMBH & CO KG [DE]

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 3173511 A1 20170531; CN 106987935 A 20170728; CN 106987935 B 20210518; JP 2017089058 A 20170525

DOCDB simple family (application)
EP 16194718 A 20161020; CN 201610982476 A 20161108; JP 2015221338 A 20151111