

Title (en)
DELIVERY ROLLER, DRAFTING DEVICE, AND SPINNING MACHINE

Title (de)
AUSGABEROLLE, STRECKVORRICHTUNG UND SPINNMASCHINE

Title (fr)
ROULEAU DE DISTRIBUTION, DISPOSITIF D'ÉTIRAGE ET MÉTIER À FILER

Publication
EP 2947188 B1 20190828 (EN)

Application
EP 15158777 A 20150312

Priority
JP 2014107378 A 20140523

Abstract (en)
[origin: EP2947188A2] A front top roller (65b) is a delivery roller arranged in a drafting device (6) to deliver a sliver (S). The front top roller (65b) includes a roller body (92) and a property modified layer (94) formed on an outer peripheral surface of the roller body (92). The roller body (92) is made of a rubber composite of a type A durometer hardness in the range from 40 to 83. The property modified layer (94) is formed by modifying the rubber composite used for making the roller body (92) such that a microhardness of the property modified layer (94) is greater than that of the roller body (92) by a value in the range from 1 to 15.

IPC 8 full level
D01H 5/74 (2006.01)

CPC (source: EP)
D01H 5/74 (2013.01)

Citation (examination)

- CN 202202055 U 20120425 - WUXI NO 2 RUBBER CO LTD
- JP 2004191961 A 20040708 - HOKUSHIN IND
- US 2863175 A 19581209 - MEYER DANIEL A

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 2947188 A2 20151125; EP 2947188 A3 20160511; EP 2947188 B1 20190828; CN 105088443 A 20151125; CN 105088443 B 20191112; JP 2015221954 A 20151210; JP 6331689 B2 20180530

DOCDB simple family (application)
EP 15158777 A 20150312; CN 201510246935 A 20150514; JP 2014107378 A 20140523