

Title (en)  
ROLLER FOR SPINNING

Title (de)  
WALZE ZUM SPINNEN

Title (fr)  
ROULEAU DE FILATURE

Publication  
**EP 2871270 A1 20150513 (EN)**

Application  
**EP 13812558 A 20130704**

Priority  
• JP 2012151031 A 20120705  
• JP 2013004174 W 20130704

Abstract (en)  
Provided is a spinning roller including: a cylindrical pipe configured to have an arbor inserted therein; and an elastic layer fixed to the external surface of the pipe. The elastic layer includes: a first rubber layer on the inner side; and a second rubber layer on the outer side, fixed to the first rubber layer. The hardness of the first rubber layer is 48° or less and the hardness of the second rubber layer is 60° or more. The thickness of the elastic layer is 2 to 20 mm. The ratio of a thickness T 2 of the second rubber layer to a thickness T 1 of the first rubber layer: T 2 /T 1 is 1/1 to 1/10 and preferably 1/3 to 1/6.

IPC 8 full level  
**D01H 5/80** (2006.01)

CPC (source: CN EP)  
**D01H 5/80** (2013.01 - CN EP)

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 2871270 A1 20150513; EP 2871270 A4 20150729; EP 2871270 B1 20171108**; CN 104321474 A 20150128; CN 104321474 B 20161207; JP 2014012910 A 20140123; WO 2014006915 A1 20140109

DOCDB simple family (application)  
**EP 13812558 A 20130704**; CN 201380026835 A 20130704; JP 2012151031 A 20120705; JP 2013004174 W 20130704