

Title (en)  
SUPPORT SPINDLE

Title (de)  
TRAGSTAB

Title (fr)  
AXE DE SUPPORT

Publication  
**EP 3145377 B1 20220223 (DE)**

Application  
**EP 15744466 A 20150507**

Priority  
• AT 4002014 A 20140523  
• AT 2015050113 W 20150507

Abstract (en)  
[origin: WO2015176091A1] A spindle for a material web wound to form a coreless roll (3) is provided at least at one end with a bearing journal (5) which protrudes from the roll (3), and the journal (5) is provided on a rotary body (12) which can form a snap connection in the bore (14) of the spindle (1) inside the roll (3).

IPC 8 full level  
**A47K 10/16** (2006.01); **A47K 10/40** (2006.01)

CPC (source: AT CN EA EP IL US)  
**A47K 10/16** (2013.01 - EA EP IL US); **A47K 10/22** (2013.01 - CN EA EP IL US); **A47K 10/38** (2013.01 - AT EA EP IL US);  
**A47K 10/40** (2013.01 - CN EA EP IL US); **A47K 2010/3206** (2013.01 - CN EA EP IL US)

Citation (examination)  
WO 2013123536 A2 20130829 - HAGLEITNER HANS GEORG [AT]

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)  
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CA 2949856 C 20180904; CL 2016002989 A1 20170417; CN 106455873 A 20170222; CN 106455873 B 20191018; EA 035856 B1 20200820;  
EA 201692401 A1 20170428; EP 3145377 A1 20170329; EP 3145377 B1 20220223; ES 2913862 T3 20220606; HR P20220634 T1 20220624;  
IL 248923 A0 20170131; IL 248923 B 20210429; MX 2016015305 A 20170323; PL 3145377 T3 20220530; PT 3145377 T 20220510;  
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HR P20220634 T 20150507; IL 24892316 A 20161113; MX 2016015305 A 20150507; PL 15744466 T 20150507; PT 15744466 T 20150507;  
RS P20220418 A 20150507; SI 201531834 T 20150507; US 201615359693 A 20161123; ZA 201607960 A 20161117