

Title (en)  
THREAD DELIVERY DEVICE

Title (de)  
FÄDENLIEFERGERÄT

Title (fr)  
DÉLIVREUR POUR APPEL DE FIL

Publication  
**EP 3178979 B1 20181226 (DE)**

Application  
**EP 16200694 A 20130607**

Previously filed application  
PCT/EP2013/061828 20130607 WO

Priority  
• DE 102012104976 A 20120608  
• EP 13728167 A 20130607  
• EP 2013061828 W 20130607

Abstract (en)  
[origin: WO2013182690A1] The invention relates to a thread delivery device (1, 50, 50', 80), which is provided with a thread delivery wheel (3), a drive shaft (4), on which the thread delivery wheel (3) is arranged, a carrier (5, 51, 83, 100) having at least one bearing retainer (22, 59, 86), and at least one rolling-element bearing (25, 26; 62, 63; 89, 90; 103, 104) for supporting the drive shaft (4). The bearing retainer has at least one undivided bearing seat (23, 24), in which the rolling-element bearing (25, 26) is arranged. The carrier (5, 51, 83, 100) is formed from at least one segment of a continuous profiled element.

IPC 8 full level  
**D04B 15/48** (2006.01)

CPC (source: CN EP)  
**D04B 15/48** (2013.01 - CN EP); **D04B 15/482** (2013.01 - CN)

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)  
**WO 2013182690 A1 20131212**; BR 112014030508 A2 20170627; BR 122017012186 A2 20190903; CN 104520482 A 20150415;  
CN 104520482 B 20170215; CN 106987997 A 20170728; CN 106987997 B 20200303; DE 102012104976 A1 20131212;  
DE 102012104976 B4 20151105; EP 2859140 A1 20150415; EP 2859140 B1 20190807; EP 3178979 A1 20170614; EP 3178979 B1 20181226;  
IN 10356DEN2014 A 20150807; TR 201904060 T4 20190422; TW 201410931 A 20140316; TW 201704579 A 20170201;  
TW I557284 B 20161111; TW I588311 B 20170621

DOCDB simple family (application)  
**EP 2013061828 W 20130607**; BR 112014030508 A 20130607; BR 122017012186 A 20130607; CN 201380042079 A 20130607;  
CN 201610883196 A 20130607; DE 102012104976 A 20120608; EP 13728167 A 20130607; EP 16200694 A 20130607;  
IN 10356DEN2014 A 20141204; TR 201904060 T 20130607; TW 102120237 A 20130607; TW 105131108 A 20130607