

Title (en)
Opening roller with clip connector

Title (de)
Auflösewalze mit Clipverbindung

Title (fr)
Cylindre d'ouverture de ruban muni d'un assemblage à clip

Publication
EP 2028299 A3 20110511 (DE)

Application
EP 08153018 A 20080319

Priority
DE 102007037229 A 20070807

Abstract (en)
[origin: EP2028299A2] The roller (1) has a fitting support (7) supporting a fitting and fastened to a base (2) by a clip connection (8) having a clip element in an axial direction. A connecting device is provided for form fit connection of the base and support. The connecting device has a projection in a circumferential direction, and a recess that cooperates with the projection. The projection forms a detent collar of the clip connection, and is arranged at a cylindrical inner surface of the support. The recess is arranged at the base, where a receiver made of metal e.g. aluminum or brass, is molded into the base.

IPC 8 full level
A44B 99/00 (2010.01); **D01H 4/32** (2006.01)

CPC (source: EP US)
D01H 4/32 (2013.01 - EP US); **Y10T 403/606** (2015.01 - EP US)

Citation (search report)

- [Y] EP 1344854 A2 20030917 - RIETER INGOLSTADT SPINNEREI [DE]
- [Y] WO 03011627 A1 20030213 - INA SCHAEFFLER KG [DE], et al
- [YD] DE 10236992 A1 20031002 - RIETER INGOLSTADT SPINNEREI [DE]
- [Y] DE 102004057542 A1 20060601 - JAUCH ACHIM [DE]
- [A] DE 202006000786 U1 20060413 - MESSERSCHMIDT BURKHARD [ES], et al

Cited by
EP3138942A1; DE102015114872A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2028299 A2 20090225; EP 2028299 A3 20110511; EP 2028299 B1 20120516; CN 101363150 A 20090211; CN 101363150 B 20110720; DE 102007037229 A1 20090212; ES 2387514 T3 20120925; US 2009038576 A1 20090212; US 2012260464 A1 20121018; US 8210766 B2 20120703; US 8490376 B2 20130723

DOCDB simple family (application)
EP 08153018 A 20080319; CN 200810135460 A 20080807; DE 102007037229 A 20070807; ES 08153018 T 20080319; US 18768808 A 20080807; US 201213536007 A 20120628