

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 B1 20120516 (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)

Cited by

EP3138942A1; DE102015114872A1

Designated contracting state (EPC)

DE ES IT TR

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