

Title (en)
DEVICE FOR CRIMPING MULTIFILAMENT THREADS

Title (de)
VORRICHTUNG ZUM KRÄUSELN MULTIFILER FÄDEN

Title (fr)
DISPOSITIF DE FRISAGE DE FILS MULTIFILAMENTAIRES

Publication
EP 3108047 B1 20180404 (DE)

Application
EP 15705793 A 20150213

Priority
• DE 102014002318 A 20140219
• EP 2015053052 W 20150213

Abstract (en)
[origin: WO2015124497A1] The invention relates to a device for crimping multifilament threads, comprising an injecting apparatus and a compressing apparatus. The injecting apparatus has a conveying channel having a thread inlet, wherein the conveying channel of the injecting apparatus leads into a compression chamber of the compressing apparatus. The compression chamber has a plurality of slot-shaped air outlet openings between a plurality of wall segments. According to the invention, in particular in order to prevent filaments from being drawn into the air outlet openings, the wall segments of the compression chamber each have a flow edge oriented tangentially to a chamber circle in order to form the air outlet openings.

IPC 8 full level
D02G 1/12 (2006.01)

CPC (source: EP US)
D02G 1/122 (2013.01 - EP US)

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)
DE 102014002318 A1 20150820; CN 105992842 A 20161005; CN 105992842 B 20180928; EP 3108047 A1 20161228;
EP 3108047 B1 20180404; JP 2017506294 A 20170302; US 2017081790 A1 20170323; WO 2015124497 A1 20150827

DOCDB simple family (application)
DE 102014002318 A 20140219; CN 201580008928 A 20150213; EP 15705793 A 20150213; EP 2015053052 W 20150213;
JP 2016553409 A 20150213; US 201515119592 A 20150213