Title (en)
Device for continuous treatment of a filamentary material

Title (de)
Vorrichtung zur kontinuierlichen Bearbeitung eines fadenförmigen Gutes

Title (fr)
Dispositif de traitement continu d'un produit en forme de fil

Publication
EP 2881502 B1 20171004 (DE)

Application
EP 14003923 A 20141121

Priority
DE 102013020471 A 20131203

Abstract (en)
[origin: US2015152577A1] A method for continuously processing a thread-like material with a plurality of method steps and a device for carrying out the method, wherein a feed mechanism (10), a treating (35) and depositing device (36), a transporting device (14), a thermosetting mechanism (32) and a length compensating mechanism (37) are arranged in a common closed system (5) and the closed system (5) differs from the surroundings in its interior by at least one first physical property and sub-systems (31, 32, 33, 35, 36, 37) that are shielded from one another are present within the system (5) for the various method steps, to which sub-systems supply mechanisms (25, 26, 27) are connected, which produce at least partially different temperatures in the sub-systems (31, 32, 33, 35, 36, 37) as the second physical property.

IPC 8 full level
D02G 1/12 (2006.01); **D02G 1/20** (2006.01); **D02J 13/00** (2006.01); **D06B 3/04** (2006.01); **D06B 5/06** (2006.01)

CPC (source: CN EP US)
D02G 1/12 (2013.01 - CN EP US); **D02G 1/205** (2013.01 - CN EP US); **D02J 11/00** (2013.01 - CN US); **D02J 13/00** (2013.01 - CN US); **D02J 13/001** (2013.01 - CN EP US); **D06B 3/04** (2013.01 - CN); **D06B 3/045** (2013.01 - CN US); **D06B 5/06** (2013.01 - CN); **D06B 17/02** (2013.01 - EP US); D06B 17/005 (2013.01 - EP)

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)
EP 2881502 A1 20150610; **EP 2881502 B1 20171004**; CN 104695084 A 20150610; CN 104695084 B 20180710; DE 102013020471 A1 20150618; US 2015152577 A1 20150604; US 9790623 B2 20171017

DOCDB simple family (application)
EP 14003923 A 20141121; CN 201410855895 A 20141201; DE 102013020471 A 20131203; US 201414558259 A 20141202