

Title (en)

METHOD AND DEVICE FOR THE PRODUCTION AND FURTHER PROCESSING OF A FILM TUBE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG UND WEITERVERARBEITUNG EINES FOLIENSCHLAUCHES

Title (fr)

PROCEDE ET DISPOSITIF DE FABICATION ET DE TRAITEMENT D'UN TUBE DE FILM

Publication

**EP 3206853 A1 20170823 (DE)**

Application

**EP 15778687 A 20151013**

Priority

- DE 102014220936 A 20141015
- EP 2015073632 W 20151013

Abstract (en)

[origin: WO2016059025A1] The invention relates to a method for the production and further processing of a film tube (6), in which method a plastic melt is transferred into a cylindrical melt flow by means of an extrusion tool (4), the melt flow is drawn out through an annular gap (5) associated with the extrusion tool (4) in order to form the film tube (6), and at least one temperature-controlled volumetric flow comprising at least one fluid is conducted onto the outer periphery of the film tube (6) by means of a temperature control device (8), wherein the temperature control device (8) is divided into peripheral segments, wherein a volumetric flow of different size and/or different temperature is produced by means of each peripheral segment such that the temperature control of the film tube (6) differs over the periphery of the film tube and wherein the film tube (6) is flattened by means of a flattening device (9), wherein the flattening device (9) is rotated in relation to the extrusion tool (4). A first volumetric flow in at least one peripheral segment of the temperature control device (8) differs from the volumetric flow of further peripheral segments, wherein at least one thick point (13) is produced on the film tube, wherein the first volumetric flow is produced by means of adjacent peripheral segments in succession, wherein the first volumetric flow is produced by the corresponding at least one peripheral segment in such a way that the first volumetric flow is adapted to the rotation of the flattening device (9), such that the at least one thick point (13) assumes substantially the same position in relation to the flattening device (9).

IPC 8 full level

**B29C 48/28** (2019.01); **B29C 48/355** (2019.01); **B29C 48/90** (2019.01); **B29C 48/92** (2019.01); **B29C 55/28** (2006.01)

CPC (source: CN EP US)

**B29C 48/0019** (2019.01 - EP US); **B29C 48/08** (2019.01 - EP US); **B29C 48/10** (2019.01 - CN EP US); **B29C 48/28** (2019.01 - CN EP US); **B29C 48/355** (2019.01 - CN); **B29C 48/908** (2019.01 - EP US); **B29C 48/913** (2019.01 - CN EP US); **B29C 48/92** (2019.01 - CN EP US); **B29C 53/20** (2013.01 - US); **B29C 55/22** (2013.01 - US); **B65B 5/061** (2013.01 - US); **B65B 5/08** (2013.01 - US); **B65B 7/02** (2013.01 - US); **B29C 48/0018** (2019.01 - CN EP US); **B29C 48/0019** (2019.01 - CN); **B29C 48/355** (2019.01 - EP US); **B29C 48/903** (2019.01 - CN EP US); **B29C 48/9135** (2019.01 - EP US); **B29C 55/28** (2013.01 - CN EP US); **B29C 2948/926** (2019.01 - CN EP US); **B29C 2948/92647** (2019.01 - CN EP US); **B29C 2948/92704** (2019.01 - CN EP US); **B29C 2948/92971** (2019.01 - CN EP US); **B29L 2031/7128** (2013.01 - US)

Citation (search report)

See references of WO 2016059025A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2016059025 A1 20160421**; CN 107107430 A 20170829; EP 3206853 A1 20170823; US 2017232653 A1 20170817

DOCDB simple family (application)

**EP 2015073632 W 20151013**; CN 201580055818 A 20151013; EP 15778687 A 20151013; US 201515518733 A 20150913