Title (en)
METHOD AND ASSEMBLY FOR THE OPEN-LOOP AND CLOSED-LOOP CONTROL OF PIPE EXTRUSION SYSTEMS

Title (de)
VERFAHREN UND ANORDNUNG ZUR REGELUNG UND STEUERUNG VON ROHREXTRUSIONSANLAGEN

Title (fr)
PROCÉDÉ ET ENSEMBLE POUR RÉGULER ET COMMANDER DES INSTALLATIONS D'EXTRUSION DE TUYAUX

Publication
**EP 3458244 A1 20190327 (DE)**

Application
**EP 17728443 A 20170517**

Priority
• DE 102016109087 A 20160518
• DE 2017100420 W 20170517

Abstract (en)
[origin: WO2017198262A1] The invention relates to a method for the open-loop and closed-loop control of pipe extrusion systems, taking into consideration measurement data of a produced pipe (4), wherein the excess of a molten pipe (4') passing out of a ring gap (11) of an extruder unit (1) runs into a subsequent calibration device (6). The object of the invention is to provide a method of this type which works with measurement values that guarantee an optimal operation of the extrusion system, even in the event of a change in dimension. The object is achieved in that the diameter, the wall thickness, possible shape deviations and the slackness of the molten pipe (4') is determined exactly at multiple points between the extrusion tool (3) and the calibration device (6), and these measurement values or the data calculated therefrom are used for the open-loop and closed-loop control of the extrusion system.

IPC 8 full level
**B29C 48/90** (2019.01); **B29C 48/09** (2019.01); **B29C 48/325** (2019.01); **B29C 48/92** (2019.01)

CPC (source: EP US)
**B29C 48/09** (2019.01 - EP US); **B29C 48/327** (2019.01 - EP US); **B29C 48/903** (2019.01 - EP US); **B29C 48/907** (2019.01 - EP US); **B29C 48/92** (2019.01 - EP US); B29C 2948/92123 (2019.01 - EP US); B29C 2948/92152 (2019.01 - EP US); B29C 2948/92171 (2019.01 - EP US); B29C 2948/92447 (2019.01 - EP US); B29C 2948/92904 (2019.01 - EP US)

Citation (search report)
See references of WO 2017198262A1

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 2017198262 A1 20171123**; DE 102016109087 A1 20171123; EP 3458244 A1 20190327

DOCDB simple family (application)
**DE 2017100420 W 20170517**; DE 102016109087 A 20160518; EP 17728443 A 20170517