Title (en)
METHOD FOR PRODUCING DIFFERENT WALL THICKNESSES OF A CONTAINER TUBE

Title (de)
VERFAHREN ZUR HERSTELLUNG UNTERSCHIEDLICHER WANDDICKEN EINES BEHÄLTERROHRES

Title (fr)
PROCÉDÉ DE PRODUCTION DE DIFFÉRENTES ÉPAISSEURS DE PAROI D'UN TUBE RÉSERVOIR

Publication
EP 2914392 A1 20150909 (DE)

Application
EP 12798622 A 20121102

Priority
EP 2012071698 W 20121102

Abstract (en)
[origin: WO2014067581A1] Method for producing a container tube (15), in particular a supporting means for a motor vehicle strut, with longitudinal sections of tube (I - IV) of different wall thicknesses and/or inner and/or outer diameters, following one after the other in the longitudinal direction, starting from a hollow and/or tubular blank (1), by means of repeated stretching by means of at least one stretching female die (6, 13, 16), applied to the outside of the blank, towards a male die (9, 19, 22), for example a punch or mandrel, in contact with the inside of the blank, wherein, for at least some of the longitudinal sections (I - IV), a change of the male die is carried out before they are stretched.

IPC 8 full level
B21C 37/16 (2006.01); **B21C 1/26** (2006.01)

CPC (source: CN EP US)
B21C 1/22 (2013.01 - US); **B21C 1/26** (2013.01 - CN EP US); **B21C 1/32** (2013.01 - US); **B21C 3/02** (2013.01 - US); **B21C 9/00** (2013.01 - US); **B21C 37/16** (2013.01 - CN EP US); B60G 2204/43 (2013.01 - CN EP US); B60G 2206/012 (2013.01 - CN EP US); B60G 2206/81 (2013.01 - CN EP US)

Citation (search report)
See references of WO 2014067581A1

Citation (examination)
- US 4454745 A 19840619 - CUDINI IVANO G [CA]
- US 3807213 A 19740430 - WILLIS E, et al
- US 639532 A 18991219 - COURTMAN REUBEN SAMUEL [GB]

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 2014067581 A1 20140508; CN 104797353 A 20150722; EP 2914392 A1 20150909; US 2015343506 A1 20151203

DOCDB simple family (application)
EP 2012071698 W 20121102; CN 201280076768 A 20121102; EP 12798622 A 20121102; US 201214438338 A 20121102