

Title (en)

EXTRUSION APPARATUS FOR THE PRODUCTION OF PLASTIC PIPES, SEALS THEREFOR

Title (de)

STRANGPRESSVORRICHTUNG ZUR HERSTELLUNG VON KUNSTSTOFFROHREN, DICHTUNGEN FÜR DIESE

Title (fr)

DISPOSITIF D'EXTRUSION POUR PRODUIRE DES TUBES EN PLASTIQUE ET JOINTS POUR CE DISPOSITIF

Publication

EP 2279069 A1 20110202 (DE)

Application

EP 09733616 A 20090408

Priority

- EP 2009054205 W 20090408
- DE 102008019286 A 20080416

Abstract (en)

[origin: WO2009127569A1] The invention relates to an extrusion apparatus (1) for producing continuous profiled elements (8), in particular plastic pipes, comprising a melting device for supplying moldable raw material, a molding device for defining the shape of the continuous profiled element, a vacuum device (2) which is used for stabilizing the shape of the continuous profiled element and the internal pressure of which is lower than atmospheric pressure, a water storage container (4) that is used for air-tightly sealing the vacuum tank and the internal pressure of which is higher than atmospheric pressure, and multiple seals (3, 6) for maintaining differences in pressure in the extrusion apparatus. In order to ensure tightness while maintaining differences in pressure in the extrusion apparatus, at least some of the multiple seals (3, 6) have a sealing wall (9) made of an elastic material as well as a half-open pressure duct (10), the open side (16) of which presses against the continuous profiled element (8).

IPC 8 full level

B29C 48/09 (2019.01); **B29C 48/90** (2019.01); **F16J 15/40** (2006.01); **F16L 21/03** (2006.01); **B29C 48/06** (2019.01)

CPC (source: EP)

B29C 48/09 (2019.01); **B29C 48/254** (2019.01); **B29C 48/903** (2019.01); **B29C 48/905** (2019.01); **B29C 48/06** (2019.01); **B29C 48/913** (2019.01)

Citation (search report)

See references of WO 2009127569A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2009127569 A1 20091022; CN 102006982 A 20110406; DE 102008019286 A1 20091105; EP 2279069 A1 20110202

DOCDB simple family (application)

EP 2009054205 W 20090408; CN 200980113287 A 20090408; DE 102008019286 A 20080416; EP 09733616 A 20090408