

Title (en)

AUTOMATIC BELLING MACHINE AND METHOD FOR BELLING PIPES MADE OF THERMOPLASTIC MATERIAL

Title (de)

AUTOMATISCHE MUFFENMASCHINE UND VERFAHREN ZUM MUFFEN VON ROHREN AUS THERMOPLASTISCHEM MATERIAL

Title (fr)

MACHINE ET PROCÉDÉ DE TULIPAGE AUTOMATIQUE POUR LE TULIPAGE DE TUYAUX EN MATÉRIAU THERMOPLASTIQUE

Publication

**EP 4100234 A1 20221214 (EN)**

Application

**EP 21702738 A 20210202**

Priority

- IT 202000002182 A 20200204
- IB 2021050828 W 20210202

Abstract (en)

[origin: WO2021156742A1] A bellings machine (1) for pipes (T) made of thermoplastic material comprising: an infeed zone (Z1) of the pipes (T) and a zone (Z2) for collecting the pipes, means (21) for organised picking up of the pipes at a station (2) for forming groups of pipes, at least one heating station (4), a forming station (5), a station (6) for unloading the pipes (T) configured to release, one at a time, the pipes (T) at least towards the outfeed zone (Z4), a movement device (7) designed to move each group of pipes (T) along a main path (P1) for feeding the pipes (T) and a handling device (8) configured for picking up the pipes (T) from the collection zone (Z2), for roto-translating the pipes (T) up to a release zone (Z3) and for releasing them in said release zone (Z3), which is in communication with the infeed zone (Z1).

IPC 8 full level

**B29C 57/04** (2006.01); **B29C 31/00** (2006.01); **B29K 101/12** (2006.01)

CPC (source: EP IL)

**B29C 31/002** (2013.01 - EP IL); **B29C 57/04** (2013.01 - EP IL); **B29K 2101/12** (2013.01 - EP IL)

Citation (search report)

See references of WO 2021156742A1

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2021156742 A1 20210812**; EP 4100234 A1 20221214; IL 295318 A 20221001; IT 202000002182 A1 20210804

DOCDB simple family (application)

**IB 2021050828 W 20210202**; EP 21702738 A 20210202; IL 29531822 A 20220802; IT 202000002182 A 20200204