

Title (en)

MACHINE AND METHOD TO MAKE A TUBULAR PRODUCT

Title (de)

MASCHINE UND VERFAHREN ZUR HERSTELLUNG EINES ROHRFÖRMIGEN PRODUKTS

Title (fr)

MACHINE ET PROCÉDÉ DESTINÉS À FABRIQUER UN PRODUIT TUBULAIRE

Publication

EP 4192677 A1 20230614 (EN)

Application

EP 21762146 A 20210803

Priority

- IT 202000019135 A 20200804
- IT 2021050244 W 20210803

Abstract (en)

[origin: WO2022029816A1] Machine (10) to make a tubular product (A) using one or more strip-shaped elements (B1, B2, B3), preferably made of paper or similar materials, or materials derived therefrom, comprising a delivery unit (19) configured to selectively deliver on at least one surface of some strip-shaped elements (B1, B2) an adhesive substance (S) containing at least a liquid solvent, and a forming unit (15) configured to form the tubular product (A) by winding the strip-shaped elements (B1, B2, B3) in a helical manner and simultaneously gluing them, by means of the adhesive substance (S). An evaporation unit (22) is disposed between the delivery unit (19) and the forming unit (15) to selectively remove, by evaporation, at least a part of the liquid solvent contained in the adhesive substance (S) present on the strip-shaped elements (B1, B2) before the strip-shaped elements (B1, B2, B3) enter the forming unit (15).

IPC 8 full level

B31C 3/00 (2006.01); **B31D 5/00** (2017.01)

CPC (source: EP)

B31C 3/00 (2013.01); **B31D 5/0095** (2013.01)

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 2022029816 A1 20220210; EP 4192677 A1 20230614; EP 4192677 B1 20240925

DOCDB simple family (application)

IT 2021050244 W 20210803; EP 21762146 A 20210803