

Title (en)

MULTILAYER TUBE AND RELATED MACHINE AND METHOD FOR MAKING IT

Title (de)

MEHRLAGIGE HÜLSE SOWIE VORRICHTUNG UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

TUBE MULTICOUCHE ET MACHINE ET PROCÉDÉ ASSOCIÉES POUR SON FABRICATION

Publication

EP 3636082 A3 20200902 (EN)

Application

EP 19201826 A 20191008

Priority

IT 201800009358 A 20181011

Abstract (en)

This invention relates to a multilayer tube (1) having an internally hollow, cylindrical shape extending round a longitudinal axis (X) and having, in cross section transverse to the longitudinal axis (X), a multilayer thickness defined by at least two layers (2, 3, 4) superposed at respective overlapping areas (5). The overlapping areas (5) are glued to each other at first glue zones (5a) and have second, reduced or zero glue zones (5b) configured and/or intended to receive a plurality of perforations (6).

IPC 8 full level

A24C 5/46 (2006.01); **B31C 3/04** (2006.01); **B31C 5/00** (2006.01)

CPC (source: EP)

A24C 5/46 (2013.01); **B31C 3/04** (2013.01); **B31C 5/00** (2013.01); **A24C 5/007** (2013.01)

Citation (search report)

- [XYI] GB 2159386 A 19851204 - MOLINS PLC
- [Y] GB 2055669 A 19810311 - MOLINS LTD
- [Y] US 3933160 A 19760120 - GERARDY GUY V A
- [Y] GB 2171168 A 19860820 - MOLINS PLC
- [Y] US 2018160725 A1 20180614 - BUHL ALEXANDER [DE], et al
- [Y] WO 2018080154 A1 20180503 - TAEYOUNG IND CORPORATION [KR]
- [Y] GB 1548314 A 19790711 - HAUNI WERKE KOERBER & CO KG
- [Y] DE 2556332 A1 19761007 - HAUNI WERKE KOERBER & CO KG
- [Y] DE 19905520 A1 19990819 - GD SPA [IT]
- [XYI] US 1996066 A 19350402 - GARLING KARL E
- [Y] GB 1588980 A 19810507 - HAUNI WERKE KOERBER & CO KG
- [Y] US 5259401 A 19931109 - LANGE NORBERT [DE], et al

Cited by

EP4245156A1

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)

EP 3636082 A2 20200415; EP 3636082 A3 20200902; IT 201800009358 A1 20200411

DOCDB simple family (application)

EP 19201826 A 20191008; IT 201800009358 A 20181011