

Title (en)

APPARATUS AND METHOD FOR CUTTING A TUBULAR CARDBOARD ROD

Title (de)

VORRICHTUNG UND VERFAHREN ZUM SCHNEIDEN EINER RÖHRENFÖRMIGEN PAPPSTANGE

Title (fr)

APPAREIL ET PROCÉDÉ POUR DECOUPER UNE TIGE TUBULAIRE EN CARTON

Publication

**EP 4159392 A1 20230405 (EN)**

Application

**EP 22187659 A 20220728**

Priority

IT 202100025019 A 20210930

Abstract (en)

A cutting apparatus (1) of a tubular cardboard rod (100) having a longitudinal extension axis (X), comprising:- an oblique cutting station (2),- feeding means (3) for feeding the tubular rod (100) to the oblique cutting station (2);- at least a first cutting blade (4) of the tubular rod (100) arranged at the oblique cutting station (2).The first cutting blade (4) is inclined with respect to a transverse section of the tubular rod (100) and the cutting apparatus (1) comprises means for moving (6) the first cutting blade (4) configured to bring the first cutting blade (4) closer to the tubular rod (100) and to move it along a closed path extending around the tubular rod (100) so as to create an elliptical cutting section.

IPC 8 full level

**B26D 3/16** (2006.01); **B26D 1/16** (2006.01); **B26D 7/06** (2006.01); **B26D 7/01** (2006.01)

CPC (source: EP)

**B26D 1/16** (2013.01); **B26D 3/16** (2013.01); **B26D 3/162** (2013.01); **B26D 7/0683** (2013.01); **B26D 2007/013** (2013.01)

Citation (search report)

- [A] WO 2021064145 A1 20210408 - PERINI FABIO SPA [IT]
- [A] EP 0037805 A1 19811014 - LANDEGRENS N W MEK VERK AB [SE]
- [A] DE 1949080 A1 19710401 - MARSCHALLEK EDGAR
- [A] FR 1287015 A 19620309

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)

**EP 4159392 A1 20230405; EP 4159392 B1 20240403**

DOCDB simple family (application)

**EP 22187659 A 20220728**