

Title (en)

DEVICE FOR PRODUCING HOLLOW TUBES, IN PARTICULAR DRINKING STRAWS, AND METHOD FOR SAME

Title (de)

VORRICHTUNG ZUR HERSTELLUNG VON HOHLROHREN, INSBESONDERE TRINKHALMEN, UND VERFAHREN HIERZU

Title (fr)

DISPOSITIF DE PRODUCTION DE TUBES CREUX, NOTAMMENT DE PAILLES, ET PROCÉDÉ POUR DE TELS TUBES CREUX

Publication

EP 4096911 B1 20240703 (DE)

Application

EP 21701274 A 20210119

Priority

- DE 102020107088 A 20200316
- EP 2021051004 W 20210119

Abstract (en)

[origin: WO2021185486A1] The invention relates to a device for producing hollow tubes (10), in particular drinking straws, comprising a first formatting device (11) which is designed to convey a first material strip (21) in a longitudinally axial direction and shape said strip into a first hollow tube (23) during the conveying process, wherein a second formatting device (12) is provided which is arranged behind the first formatting device (11) in the conveyor direction (20) and is designed to wind a second material strip (22) around the first material strip (21) while the second material strip (22) is being conveyed in a longitudinally axial direction such that a double-layer hollow tube (10) is formed which has the first hollow tube (23) on the inside and the second material strip (22) on the outside.

IPC 8 full level

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

CPC (source: EP)

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

Citation (examination)

EP 3357354 B1 20200930 - HAUNI MASCHINENBAU GMBH [DE]

Cited by

WO2021185486A1

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

DOCDB simple family (publication)

DE 102020107088 A1 20210916; EP 4096911 A1 20221207; EP 4096911 B1 20240703; WO 2021185486 A1 20210923

DOCDB simple family (application)

DE 102020107088 A 20200316; EP 2021051004 W 20210119; EP 21701274 A 20210119