

Title (en)  
DEVICE AND METHOD FOR CUTTING A PLASTIC PROFILED ELEMENT TO LENGTH

Title (de)  
VORRICHTUNG UND VERFAHREN ZUM ABLÄNGEN EINES KUNSTSTOFFPROFILS

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE COUPE EN LONGUEUR D'UN ÉLÉMENT PROFILÉ EN PLASTIQUE

Publication  
**EP 3969236 A1 20220323 (DE)**

Application  
**EP 21748865 A 20210721**

Priority  

- DE 102020120830 A 20200806
- DE 102020120831 A 20200806
- EP 2021070571 W 20210721

Abstract (en)  
[origin: WO2022028911A1] The invention relates to a device for severing plastic products (7), more particularly extruded plastic tubes, comprising at least a first haul-off device (4), which has at least two haul-off caterpillars (12), and a cutting unit (10), which comprises at least one cutting device (5) having at least one cutting means (15), by means of which cutting device plastic products (7) can be severed to a predefined length. According to the invention, the cutting unit (10) comprises at least one caterpillar (14) having at least one cutting tool (13); on one of the caterpillars (14), at least one tool (13) is provided; at least one cutting means (15) is disposed in the tool (13), by which cutting means the plastic product (7) can be severed; and during the cutting process, the cutting means (15) disposed within the tool (13) can be rotated around the plastic product (7) to be severed. The invention also relates to a corresponding method.

IPC 8 full level  
**B26D 3/16** (2006.01); **B26D 1/60** (2006.01); **B26D 7/01** (2006.01); **B29C 48/00** (2019.01); **B29L 23/00** (2006.01)

CPC (source: EP)  
**B23D 45/18** (2013.01); **B26D 1/60** (2013.01); **B26D 3/16** (2013.01); **B29C 48/0022** (2019.02); **B29C 48/09** (2019.02); **B29C 48/355** (2019.02); **B29C 48/903** (2019.02); **B29C 48/92** (2019.02); **B26D 2007/013** (2013.01); **B29C 2793/0027** (2013.01); **B29C 2793/009** (2013.01); **B29C 2948/9258** (2019.02); **B29L 2023/22** (2013.01); **Y02W 30/62** (2015.05)

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)  
**WO 2022028911 A1 20220210**; CN 114302798 A 20220408; CN 114302798 B 20240315; EP 3969236 A1 20220323

DOCDB simple family (application)  
**EP 2021070571 W 20210721**; CN 202180004649 A 20210721; EP 21748865 A 20210721