

Title (en)

PERFORATING UNIT AND METHOD FOR PERFORATING A FLAT-FOLDED FILM TUBE

Title (de)

PERFORIERWERK UND VERFAHREN ZUM PERFORIEREN EINES FLACH GEFALTETEN FOLIENSCHLAUCHS

Title (fr)

MÉCANISME PERFORATEUR ET PROCÉDÉ DE PERFORATION D'UN BOYAU PLIÉ À PLAT

Publication

**EP 3600803 B1 20230524 (DE)**

Application

**EP 17787169 A 20171019**

Priority

- DE 102017205180 A 20170328
- EP 2017076725 W 20171019

Abstract (en)

[origin: WO2018177572A1] The invention relates to a perforating unit and a method for perforating a flat-folded film tube. The perforating unit comprises a continuously rotatable magnetic cylinder and impression cylinder, and a flexible stamped metal sheet which is magnetically fastened to the magnetic cylinder and has cutting lines for perforating the film tube. Owing to the fact that a control system for the magnetic cylinder is also provided, using which control system the peripheral speed of the cutting lines can be adjusted to a transport speed of the film tube when the magnetic cylinder is in the active region with the impression cylinder and in contrast can be changed when outside said active region, different perforations can be produced in a flexible and economical manner at different distances along the film tube. The stamped metal sheets also allow a cost-effective format change on the perforating unit.

IPC 8 full level

**B26D 3/08** (2006.01); **B26D 5/00** (2006.01); **B26D 7/26** (2006.01); **B26F 1/20** (2006.01); **B26F 1/22** (2006.01)

CPC (source: EP)

**B26D 3/085** (2013.01); **B26D 5/005** (2013.01); **B26F 1/20** (2013.01); **B26F 1/22** (2013.01); **B26D 2007/2607** (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

DOCDB simple family (publication)

**WO 2018177572 A1 20181004**; CN 110520265 A 20191129; CN 110520265 B 20210706; DE 102017205180 A1 20181004; EP 3600803 A1 20200205; EP 3600803 B1 20230524

DOCDB simple family (application)

**EP 2017076725 W 20171019**; CN 201780089121 A 20171019; DE 102017205180 A 20170328; EP 17787169 A 20171019