

Title (en)

Method for adjusting the pressing force a punching and embossing machine

Title (de)

Verfahren zum Einstellen der Presskraft einer Stanz- und Prägemaschine

Title (fr)

Procédé de réglage de la force de compression d'une machine a poinçonner et estamper

Publication

**EP 2754541 B1 20180530 (DE)**

Application

**EP 13196448 A 20131210**

Priority

DE 102013000299 A 20130110

Abstract (en)

[origin: EP2754541A2] The method involves providing tool data, which describes an individual structure of a cutting tool (30) including cutting and grooving tools, rubber linings, and round embossing stereotypes. Specific force data is read from a workflow connection (26). A specific pressing force is assigned to the cutting and grooving tools, the linings and stereotypes by the specific force data. A target-pressing force is calculated from the tool data and the specific force data. A pressing force (F) of a flatbed cutting and/or embossing machine (100) is adjusted to the target-pressing force. An independent claim is also included for a flatbed cutting and/or embossing machine.

IPC 8 full level

**B26F 1/40** (2006.01); **B31F 1/07** (2006.01); **B26D 5/00** (2006.01); **B26D 7/00** (2006.01); **B26F 1/38** (2006.01); **B26F 1/44** (2006.01)

CPC (source: EP US)

**B26D 5/00** (2013.01 - EP US); **B26F 1/40** (2013.01 - EP US); **B30B 12/00** (2013.01 - US); **B30B 15/0094** (2013.01 - EP US); **B26D 5/005** (2013.01 - EP US); **B26D 2007/0093** (2013.01 - EP US); **B26F 1/38** (2013.01 - EP US); **B26F 2001/4418** (2013.01 - EP US); **B31B 50/142** (2017.07 - EP US); **B31F 2201/0702** (2013.01 - EP US)

Citation (examination)

- EP 1882565 A2 20080130 - HEIDELBERGER DRUCKMASCH AG [DE]
- ANONYMOUS: "Cut Smart : Calculating the tonnage needed to die cut a product", 29 March 2010 (2010-03-29), pages 1 - 3, XP055243423, Retrieved from the Internet <URL:https://web.archive.org/web/20100329175047/http://www.cutsmart.com/pages/articles/die\_cutting\_tonnage\_needed.html> [retrieved on 20160121]

Designated contracting state (EPC)

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**EP 2754541 A2 20140716**; **EP 2754541 A3 20150610**; **EP 2754541 B1 20180530**; CN 103921306 A 20140716; CN 103921306 B 20160831; DE 102013000299 A1 20140710; ES 2682018 T3 20180918; US 2014195038 A1 20140710

DOCDB simple family (application)

**EP 13196448 A 20131210**; CN 10410010527 A 20140109; DE 102013000299 A 20130110; ES 13196448 T 20131210; US 201414152039 A 20140110