

Title (en)

Three knife trimmer, particularly for limited editions

Title (de)

Dreischneider, insbesondere für Kleinauflagen

Title (fr)

Dispositif de découpe a trois couteaux, notamment pour éditions limitées

Publication

EP 1225015 A1 20020724 (DE)

Application

EP 02000939 A 20020116

Priority

DE 10101843 A 20010117

Abstract (en)

[origin: US2002092394A1] The three-side trimmer comprises three compact cutting units of a nearly identical design, which have a flow of forces that is closed in itself and separate drives. Full-area cutting tables and pressing plates and telescopic cutting tables and pressing plates in the head- and-foot station ensure optimal quality of cut while avoiding the use of replaceable parts for format change. Due to elastic design and a slightly oblique positioning of the pressing plates, air inclusions are prevented from occurring during the pressing. A most lightweight design possible with weak dynamic forces to achieve good quality of cut are provided while avoiding the use of replaceable parts for format change.

Abstract (de)

Der Dreischneider besteht aus drei nahezu baugleichen Schneideinheiten (1,2,30), die einen in sich geschlossenen Kraftfluss und eigene Antriebe (20) haben. Ganzflächige Schneidische sorgen unter Vermeidung von Format-Wechselteilen für optimale Schnittqualität. Durch elastische Gestaltung und leichte Schrägstellung der Pressplatten (22) werden Lufteinschlüsse beim Pressen verhindert. Ziel der Erfindung ist eine möglichst leichtgewichtige Ausführung mit geringen dynamischen Kräften zum Erreichen einer guten Schnittqualität unter Vermeidung von Formatwechselteilen. <IMAGE>

IPC 1-7

B26D 1/09; **B26D 7/02**; **B26D 11/00**

IPC 8 full level

B26D 1/09 (2006.01); **B26D 7/02** (2006.01); **B26D 11/00** (2006.01)

CPC (source: EP US)

B26D 1/09 (2013.01 - EP US); **B26D 5/08** (2013.01 - EP US); **B26D 7/025** (2013.01 - EP US); **B26D 11/00** (2013.01 - EP US); **B26D 5/00** (2013.01 - EP US); **B26D 7/20** (2013.01 - EP US); **B26D 2007/0081** (2013.01 - EP US); **Y10S 83/934** (2013.01 - EP US); **Y10T 83/2192** (2015.04 - EP US); **Y10T 83/447** (2015.04 - EP US); **Y10T 83/6478** (2015.04 - EP US); **Y10T 83/7487** (2015.04 - EP US); **Y10T 83/7573** (2015.04 - EP US); **Y10T 83/8799** (2015.04 - EP US); **Y10T 83/8874** (2015.04 - EP US); **Y10T 83/9401** (2015.04 - EP US); **Y10T 83/95** (2015.04 - EP US)

Citation (search report)

- [A] US 3722336 A 19730327 - SARRING E
- [A] FR 1228264 A 19600829
- [A] DE 2430043 A1 19750123 - POLYGRAPH LEIPZIG
- [A] GB 2113597 A 19830810 - WILL E C H

Cited by

DE102011105253A1; DE102011106377A1; DE102011105253B4; DE102005033787A1; DE102005033787B4; EP2147759A1; EP1473126A3; EP1745941A2; DE202011110242U1; EP2535153A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

EP 1225015 A1 20020724; **EP 1225015 B1 20031105**; DE 10101843 A1 20020718; DE 10101843 B4 20070426; DE 50200088 D1 20031211; US 2002092394 A1 20020718; US 2009165616 A1 20090702; US 7533596 B2 20090519; US 8171834 B2 20120508

DOCDB simple family (application)

EP 02000939 A 20020116; DE 10101843 A 20010117; DE 50200088 T 20020116; US 39970709 A 20090306; US 5157702 A 20020116