

Title (en)
Perforating cutter

Title (de)
PERFORIERMESSER

Title (fr)
Outil de coupe par perforation

Publication
EP 0701888 A2 19960320 (DE)

Application
EP 95113667 A 19950831

Priority
DE 4431645 A 19940906

Abstract (en)
The knife (18) consists of a concentrically positioned primary blade (1) (with an overall height (H)) and two adjacent supplementary external blades (17) arranged alongside. These have a lesser height (h) and a thickness (e) which is double the thickness (d) of the primary knife blade. The number of blades in the perforating knife can be altered to suit the requirement of a particular use. The knife blade (1) has teeth on one side which work against a counter perforation cylinder. The knife blades can all be removed and exchanged by other combinations of knives. The thickness (D) of the perforation knife is constant and is formed by the combination of the primary knife blade and the supplementary blades. Whatever combination of blades is used, the overall thickness is always twice the thickness of the supplementary blades plus the thickness of the primary blade.

Abstract (de)
Ein Perforiermesser (18) zum Perforieren von mehrlagigen Signaturen vor dem Falzen in einem Falzapparat einer Rollenrotationsdruckmaschine soll sowohl an verschiedene Grammaturen von Papierbahnen als auch an eine unterschiedliche Anzahl von Lagen der Signatur anpaßbar sein. Erfindungsgemäß geschieht dies dadurch, daß das Perforiermesser (18) aus einer einspannbaren Messerleiste (1) konstanter Dicke mit austauschbaren, in peripherer Richtung nebeneinander angeordneten Messerblättern oder Beilageblätter (17) variabler Dicke besteht. <IMAGE>

IPC 1-7
B26F 1/18; B26F 1/14

IPC 8 full level
B26D 1/00 (2006.01); **B26F 1/14** (2006.01); **B26F 1/18** (2006.01); **B26F 1/20** (2006.01); **B41F 13/54** (2006.01)

CPC (source: EP US)
B26D 1/0006 (2013.01 - EP US); **B26F 1/20** (2013.01 - EP US); **B41F 13/54** (2013.01 - EP US); **B26D 2001/0033** (2013.01 - EP US); **B26D 2001/006** (2013.01 - EP US); **Y10T 83/9314** (2015.04 - EP US); **Y10T 83/935** (2015.04 - EP US); **Y10T 83/9464** (2015.04 - EP US)

Citation (applicant)
• DE 2234078 A1 19730125 - HARRIS INTERTYPE CORP
• EP 0307891 B1 19930113

Cited by
EP3415292A1

Designated contracting state (EPC)
CH DE FR GB IT LI SE

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DE 4431645 A1 19960307; DE 59509742 D1 20011129; EP 0701888 A2 19960320; EP 0701888 A3 19961023; EP 0701888 B1 20011024; JP 2614432 B2 19970528; JP H08206998 A 19960813; US 5768969 A 19980623

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