Title (en)
   PERFORATING CUTTER

Publication
   EP 0307891 A3 19900124 (DE)

Application
   EP 88115034 A 19880914

Priority
   DE 3731117 A 19870916

Abstract (en)
   [origin: JPH01113291A] PURPOSE: To produce signatures forming no crease after folded along an intended fold line by providing many U-shaped perforations where the signatures are alternately placed the other way along or near the fold line. CONSTITUTION: A perforating tool 6 conducts perforation on multilayered signatures 9 so that the signature 9 has many U-shaped perforations 35, 40 and 41 alternately placed the other way along or near the fold line 36. However, because a web 39 does not exist between the bottom cuts 35.1 and 35.2 widely perforated by perforating teeth 24.1 and 26.1, the fold line 36 has a slit-shaped perforation with double length there. Therefore, almost no crease is formed when signature perforated with the perforating tool is folded along the fold line.

IPC 1-7
   B42D 15/00; B26F 1/14

IPC 8 full level
   B27F 7/26 (2006.01); **B26F 1/14** (2006.01); **B26F 1/18** (2006.01); **B26F 1/20** (2006.01); **B26F 1/22** (2006.01); **B41F 13/54** (2006.01);
   B42C 5/04 (2006.01); **B42D 5/02** (2006.01); **B42D 15/00** (2006.01)

CPC (source: EP US)
   B26F 1/14 (2013.01 - EP US); **B26F 1/18** (2013.01 - EP US); **B26F 1/20** (2013.01 - EP US); **B26F 1/22** (2013.01 - EP US);
   B42D 15/00 (2013.01 - EP US); Y10T 83/9314 (2015.04 - EP US); Y10T 428/15 (2015.01 - EP US)

Citation (search report)
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   EP0703047A2; WO2009036745A1; EP0865885B1

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

DOCDB simple family (publication)
   EP 0307891 A2 19890322; **EP 0307891 A3 19900124**; **EP 0307891 B1 19930113**; DE 3731117 A1 19890330; DE 3731117 C2 19900308;
   DE 3877473 D1 19930225; JP H01113291 A 19890501; JP H0712755 B2 19950215; SU 1669392 A3 19910807; US 4951967 A 19900828

DOCDB simple family (application)
   EP 88115034 A 19880914; DE 3731117 A 19870916; DE 3877473 T 19880914; JP 22672188 A 19880912; SU 4356393 A 19880913;
   US 24372288 A 19880913