Title (en)

INK KNIFE FOR THE INK DUCT ROLLER OF A PRINTING MACHINE

Title (de)

FARBMESSER FÜR EINE FARBKASTENWALZE EINER DRUCKMASCHINE

Title (fr)

COUTEAU ENCREUR POUR ROULEAU D'ENCRIER D'UNE IMPRIMANTE

Publication

EP 0855959 B1 20000119 (DE)

Application

EP 96932426 A 19961017

Priority

- CH 9600365 W 19961017
- CH 296495 A 19951019

Abstract (en)

[origin: US5974966A] PCT No. PCT/CH96/00365 Sec. 371 Date Apr. 14, 1998 Sec. 102(e) Date Apr. 14, 1998 PCT Filed Oct. 17, 1996 PCT Pub. No. WO97/14562 PCT Pub. Date Apr. 24, 1997A process is disclosed for producing an ink knife for the ink duct roller of a printing machine from an at least about 2 mm thick metal plate. Parallel slits are formed which extend from the working edge of the ink knife over part of the plate width and form lamellas of color zone width. Parallel transverse and blind-ended grooves which start at the working edge are first cut into the metal plate at intervals which correspond to the width of the color zones. Afterwards, a continuation rating groove that extends parallel to the working edge is cut in the area of the blind ends of the transverse grooves, preferably on at least one side of the metal plate. Finally the metal plate is completely cut through in the area of the transverse grooves, preferably by means of laser beams, forming a narrow slit at intervals which correspond to the width of the color zones.

IPC 1-7

B41F 31/04

IPC 8 full level

B23K 26/02 (2006.01); **B41F 31/04** (2006.01)

CPC (source: EP)

B41F 31/04 (2013.01)

Designated contracting state (EPC)

AT BE CH DE ES FR GB IE IT LI NL PT SE

DOCDB simple family (publication)

WO 9714562 A1 19970424; AT E188915 T1 20000215; AU 701694 B2 19990204; AU 7124396 A 19970507; BR 9611110 A 19991228; CA 2235255 A1 19970424; CA 2235255 C 20050913; CZ 114598 A3 19980715; CZ 293716 B6 20040714; DE 59604252 D1 20000224; EP 0855959 A1 19980805; EP 0855959 B1 20000119; ES 2144770 T3 20000616; JP H11514309 A 19991207; NZ 319097 A 19990528; SK 282807 B6 20021203; SK 47698 A3 19990211; US 5974966 A 19991102

DOCDB simple family (application)

CH 9600365 W 19961017; AT 96932426 T 19961017; AU 7124396 A 19961017; BR 9611110 A 19961017; CA 2235255 A 19961017; CZ 114598 A 19961017; DE 59604252 T 19961017; EP 96932426 A 19961017; ES 96932426 T 19961017; JP 51538697 A 19961017; NZ 31909796 A 19961017; SK 47698 A 19961017; US 5157698 A 19980414