

Title (en)
ROTARY SCREEN PRINTING CYLINDER AND ITS USE

Title (de)
ROTATIONS-SIEBDRUCKZYLINDER UND SEINE VERWENDUNG

Title (fr)
CYLINDRE ROTATIF D'IMPRESSION SERIGRAPHIQUE ET SON UTILISATION

Publication
EP 0723498 B2 20051019 (DE)

Application
EP 95930448 A 19950811

Priority
• DE 4428670 A 19940812
• EP 9503199 W 19950811

Abstract (en)
[origin: US6155165A] PCT No. PCT/EP95/03199 Sec. 371 Date May 2, 1996 Sec. 102(e) Date May 2, 1996 PCT Filed Aug. 11, 1995 PCT Pub. No. WO96/05058 PCT Pub. Date Feb. 22, 1996A rotary screen printing cylinder including a cylindrical screen, a squeegee disposed within the screen, and two end pieces each fastened as an extension of the cylindrical surface of the screen. The screen cylinder has at least two zones which are provided with color-permeable openings at least in partial areas and are separated by a color-impermeable dead zone of predetermined width. The dead zone is designed so as to give the screen cylinder stability.

IPC 1-7
B41C 1/14; **B41F 15/38**

IPC 8 full level
B41C 1/14 (2006.01); **B41F 15/08** (2006.01); **B41F 15/38** (2006.01)

CPC (source: EP US)
B41C 1/14 (2013.01 - EP US); **B41F 15/0836** (2013.01 - EP US)

Citation (opposition)
Opponent :
• US 4497249 A 19850205 - MITTER MATHIAS [DE]
• US 3981237 A 19760921 - RHODES JOHN M
• US 4401520 A 19830830 - STEPPAN HARTMUT [DE], et al
• US 2287122 A 19420623 - NORRIS EDWARD O
• "The Thames and Hudson Manual of Textile Printing", Joyce Storey, 1974, Nachdruck 1979, Seiten 138-145
• Katalog V "Schablonen Herstellung und Dessinierung", Maschinenfabrik Peter Zimmer, Kufstein, Seiten 0-14

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6155165 A 20001205; AT E190909 T1 20000415; DE 4428670 A1 19960215; DE 4428670 B4 20040401; DE 59508058 D1 20000427; DK 0723498 T3 20000717; EP 0723498 A1 19960731; EP 0723498 B1 20000322; EP 0723498 B2 20051019; ES 2143066 T3 20000501; FI 116371 B 20051115; FI 961614 A0 19960412; FI 961614 A 19960412; GR 3033483 T3 20000929; NO 310449 B1 20010709; NO 961437 D0 19960411; NO 961437 L 19960611; PT 723498 E 20000929; WO 9605058 A1 19960222

DOCDB simple family (application)
US 62453896 A 19960502; AT 95930448 T 19950811; DE 4428670 A 19940812; DE 59508058 T 19950811; DK 95930448 T 19950811; EP 9503199 W 19950811; EP 95930448 A 19950811; ES 95930448 T 19950811; FI 961614 A 19960412; GR 20000401180 T 20000524; NO 961437 A 19960411; PT 95930448 T 19950811