

Title (en)  
SCREEN PRINTING CYLINDER

Title (de)  
FARBTRANSPORT AM SIEBDRUCKZYLINDER

Title (fr)  
CYLINDRE DE SERIGRAPHIE

Publication  
**EP 1620264 A2 20060201 (DE)**

Application  
**EP 04716532 A 20040303**

Priority  
• CH 2004000128 W 20040303  
• DE 10319773 A 20030502

Abstract (en)  
[origin: WO2004096545A2] The invention relates to a screen printing cylinder with a circular screen (103) and a doctor blade (101), arranged on the inner surface of the circular screen (103). A web (107), is arranged parallel to the cylinder axis on the lateral surface (105) of the doctor blade (101), facing the ink pushed before the doctor blade, whereby the doctor blade (101), a section of the circular screen (103) in contact with the above and the web (107), extending from the doctor blade (101), form an open channel bed opposed to the direction of rotation of the screen printing cylinder. Guide means, in particular, grooves (108) are arranged at at least both longitudinal end regions of the web (107), for diversion of the ink, scraped from the circular screen (103) by the doctor blade (101), along the longitudinal direction of the doctor blade (101) towards the middle thereof.

IPC 1-7  
**B41F 15/42**

IPC 8 full level  
**B41F 15/42** (2006.01)

CPC (source: EP)  
**B41F 15/42** (2013.01)

Citation (search report)  
See references of WO 2004096545A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2004096545 A2 20041111; WO 2004096545 A3 20050113**; AT E483582 T1 20101015; DE 10319773 A1 20041209;  
DE 10319773 B4 20060420; DE 502004011742 D1 20101118; EP 1620264 A2 20060201; EP 1620264 B1 20101006;  
JP 2006525138 A 20061109; JP 4723478 B2 20110713

DOCDB simple family (application)  
**CH 2004000128 W 20040303**; AT 04716532 T 20040303; DE 10319773 A 20030502; DE 502004011742 T 20040303; EP 04716532 A 20040303;  
JP 2006504153 A 20040303