

Title (en)  
Printing unit

Title (de)  
Druckeinheit

Title (fr)  
Unité d'impression

Publication  
**EP 1364782 A3 20081126 (DE)**

Application  
**EP 03018194 A 20010917**

Priority  
• DE 10046373 A 20000920  
• DE 10046374 A 20000920  
• EP 01982105 A 20010917

Abstract (en)  
[origin: WO0224454A1] A printing unit has at least five cylinders of at least one printer. At least two of these cylinders rotate independently of each other, while at least one of the cylinders has a rotational speed that is different from the rotational speed zero and from a production rotational speed.

IPC 8 full level  
**B41F 7/10** (2006.01); **B41F 7/02** (2006.01); **B41F 7/12** (2006.01); **B41F 13/004** (2006.01); **B41F 13/03** (2006.01); **B41F 33/00** (2006.01)

CPC (source: EP US)  
**B41F 7/025** (2013.01 - EP US); **B41F 7/10** (2013.01 - EP US); **B41F 7/12** (2013.01 - EP US); **B41F 13/0045** (2013.01 - EP US); **B41F 13/03** (2013.01 - EP US); **B41P 2213/734** (2013.01 - EP US); **B41P 2217/13** (2013.01 - EP US); **B41P 2227/70** (2013.01 - EP US); **B41P 2233/00** (2013.01 - EP US); **B41P 2233/11** (2013.01 - EP US); **B41P 2235/00** (2013.01 - EP US)

Citation (search report)  
• [A] EP 0782919 A1 19970709 - HEIDELBERGER DRUCKMASCH AG [DE]  
• [A] GB 2149149 A 19850605 - ROCKWELL GRAPHIC SYST  
• [A] DE 19723043 A1 19981203 - WIFAG MASCHF [CH]  
• [AD] DE 19732330 A1 19990204 - KOENIG & BAUER ALBERT AG [DE]  
• [A] BOSSE R: "DIGITALER DIREKTANTRIEB AN DRUCKMASHINEN", DRUCKSPIEGEL, DRUCKSPIEGEL VERLAGSGESELLSCHAFT, HEUSENSTAMM, DE, vol. 9, 1999, pages 53 - 56, XP000961981, ISSN: 0012-6500

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

Designated extension state (EPC)  
AL LT LV MK RO SI

DOCDB simple family (publication)  
**WO 0224454 A1 20020328**; **WO 0224454 B1 20020725**; AT E555906 T1 20120515; AU 1379602 A 20020402; CN 1209243 C 20050706; CN 1461262 A 20031210; EP 1318909 A1 20030618; EP 1318909 B1 20120502; EP 1361047 A2 20031112; EP 1361047 A3 20081029; EP 1361047 B1 20120801; EP 1364780 A2 20031126; EP 1364780 A3 20081126; EP 1364782 A2 20031126; EP 1364782 A3 20081126; EP 1524114 A2 20050420; JP 2004508983 A 20040325; US 2004035309 A1 20040226; US 6895857 B2 20050524

DOCDB simple family (application)  
**DE 0103560 W 20010917**; AT 01982105 T 20010917; AU 1379602 A 20010917; CN 01815994 A 20010917; EP 01982105 A 20010917; EP 03018190 A 20010917; EP 03018191 A 20010917; EP 03018194 A 20010917; EP 04104620 A 20010917; JP 2002528496 A 20010917; US 38047403 A 20030320