

Title (en)
Printing units comprising several printing groups

Title (de)
Druckeinheiten mit mehreren Druckwerken

Title (fr)
Unité d'impression comprenant plusieurs groupe d'impression

Publication
EP 2028007 A3 20090506 (DE)

Application
EP 08170464 A 20070124

Priority
• EP 07726224 A 20070124
• DE 102006004330 A 20060131

Abstract (en)
[origin: US2009255428A1] The invention relates to a printing unit (16; 17) comprising several printing groups (03; 04; 21; 22; 28; 29; 31; 32), each of which is provided with at least one plate cylinder (07) and at least one transfer cylinder (06) that is arranged so as to cooperate directly with the plate cylinder(07). The printing unit (16; 17), which is embodied as a nine-cylinder satellite printing unit (16; 17), is equipped with four plate cylinders (07) and a counterpressure cylinder (18) that is configured as a satellite cylinder (18). At least one inking roller of an inking group (09) is disposed so as to cooperate directly with the plate cylinder (07). One respective plate replacing mechanism (11; 11a; 11b), which encompasses a front section facing the associated plate cylinder (07), is assigned to at least two plate cylinders (07) that are placed next to each other in a horizontal direction.

IPC 8 full level
B41F 27/12 (2006.01); **B41F 7/10** (2006.01)

CPC (source: EP US)
B41F 7/10 (2013.01 - EP US); **B41F 27/1206** (2013.01 - EP US); **B41P 2227/60** (2013.01 - EP US)

Citation (search report)
• [A] WO 03031180 A2 20030417 - KOENIG & BAUER AG [DE], et al
• [A] GB 2279909 A 19950118 - ZIRKON DRUCKMASCHINEN GMBH [DE]
• [A] EP 1391300 A1 20040225 - KOMORI PRINTING MACH [JP]
• [E] EP 1767354 A2 20070328 - ROLAND MAN DRUCKMASCH [DE]
• [E] WO 2007028268 A1 20070315 - WIFAG MASCHF [CH], et al

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

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2009255428 A1 20091015; US 7975610 B2 20110712; AT E444172 T1 20091015; AT E450373 T1 20091215; AT E460283 T1 20100315; CN 101389477 A 20090318; CN 101389477 B 20101201; DE 102006004330 B3 20070412; DE 102006051219 A1 20070809; DE 102006051220 A1 20070809; DE 102006051220 B4 20100527; DE 202006020771 U1 20091224; DE 202007018706 U1 20090219; DE 502007001647 D1 20091112; DE 502007002168 D1 20100114; DE 502007003110 D1 20100422; EP 1931514 A2 20080618; EP 1931514 B1 20091202; EP 2008814 A2 20081231; EP 2008814 A3 20120829; EP 2028007 A2 20090225; EP 2028007 A3 20090506; EP 2028007 B1 20090930; EP 2103430 A1 20090923; EP 2103430 B1 20100310; WO 2007088132 A2 20070809; WO 2007088132 A3 20071129

DOCDB simple family (application)
US 8476707 A 20070124; AT 07726224 T 20070124; AT 08170464 T 20070124; AT 09158226 T 20070124; CN 200780003863 A 20070124; DE 102006004330 A 20060131; DE 102006051219 A 20060131; DE 102006051220 A 20060131; DE 202006020771 U 20060131; DE 202007018706 U 20070124; DE 502007001647 T 20070124; DE 502007002168 T 20070124; DE 502007003110 T 20070124; EP 07726224 A 20070124; EP 08153268 A 20070124; EP 08170464 A 20070124; EP 09158226 A 20070124; EP 2007050694 W 20070124