

Title (en)
Cartridge and printing material supply system

Title (de)
Patrone und Druckmaterialzuführsystem

Title (fr)
Cartouche et système de fourniture de matériau d'impression

Publication
EP 2614960 A1 20130717 (EN)

Application
EP 13150956 A 20130111

Priority

- JP 2012003694 A 20120112
- JP 2012003698 A 20120112
- JP 2012003653 A 20120112
- JP 2012003652 A 20120112
- JP 2012001395 W 20120301
- US 201213410461 A 20120302
- US 201213410478 A 20120302
- US 201213410528 A 20120302
- JP 2012189836 A 20120830

Abstract (en)
A cartridge (20) comprising a liquid supply structure (280), electrically conductive terminals (400) and a first restriction portion (210). The contact portions of the electrically conductive terminals (400) are arranged in a contact portion plane which is neither parallel nor perpendicular to a plane defined by a mounting direction leading edge of the ink supply structure (280). The first restriction portion (210) is provided at a position located closer to the contact portion plane than to top (202) of the cartridge (20).

IPC 8 full level
B41J 2/175 (2006.01)

CPC (source: CN EP GB KR RU)
B41J 2/01 (2013.01 - CN); **B41J 2/175** (2013.01 - KR); **B41J 2/17509** (2013.01 - EP); **B41J 2/1752** (2013.01 - CN EP GB RU); **B41J 2/17526** (2013.01 - EP); **B41J 2/1753** (2013.01 - EP GB); **B41J 2/17546** (2013.01 - EP); **B41J 2/17553** (2013.01 - CN EP GB); **G03G 15/0865** (2013.01 - GB); **G03G 2221/1684** (2013.01 - EP)

Citation (applicant)

- US 2005151811 A1 20050714 - SHIMIZU EIICHIRO [CN], et al
- JP 2007230249 A 20070913 - CANON KK
- US 7008053 B2 20060307 - HASHII KAZUHIRO [JP], et al
- JP 2005022345 A 20050127 - SEIKO EPSON CORP [JP]
- US 6276780 B1 20010821 - CARRESE EDWARD M [US], et al
- JP 2002019142 A 20020123 - XEROX CORP
- US 6955422 B2 20051018 - MIYAZAWA HISASHI [JP], et al
- US 6074042 A 20000613 - GASVODA ERIC L [US], et al
- US 7018030 B2 20060328 - SEINO TAKEO [JP], et al

Citation (search report)

- [XDAYI] EP 1547783 A2 20050629 - CANON KK [JP]
- [YA] DE 102006036716 B3 20070927 - ARTECH GMBH DESIGN & PROD [DE]
- [A] US 2002135634 A1 20020926 - LODAL JOHN N [US], et al

Cited by
EP3064359A1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
DE 202013000268 U1 20130424; AR 089713 A1 20140910; AU 2012367439 A1 20130822; AU 2012367439 B2 20150205; AU 2013202147 A1 20130801; AU 2013202147 B2 20161117; AU 2013202147 B8 20161215; BR 112013006690 A2 20160607; CA 2806705 A1 20130712; CA 2806705 C 20160223; CL 2014000624 A1 20141205; CN 103370203 A 20131023; CN 103370203 B 20160831; CN 103481666 A 20140101; CN 103481666 B 20150617; CN 104723691 A 20150624; CN 104723691 B 20170503; CN 106240160 A 20161221; CN 106240160 B 20180403; EP 2614960 A1 20130717; EP 2614960 B1 20141203; EP 2653316 A1 20131023; EP 2653316 B1 20150506; EP 2802459 A1 20141119; EP 2802459 B1 20190717; ES 2531151 T3 20150311; ES 2543792 T3 20150821; ES 2741317 T3 20200210; GB 201300618 D0 20130227; GB 2499105 A 20130807; GB 2499105 B 20140917; HK 1187307 A1 20140404; HK 1187863 A1 20140417; IL 231002 A0 20140331; IT TO20130019 A1 20130713; KR 101560068 B1 20151013; KR 101913890 B1 20181031; KR 20130114099 A 20131016; KR 20140102176 A 20140821; MX 2013003348 A 20130826; NZ 620415 A 20160331; PE 20141866 A1 20141224; PL 2614960 T3 20150430; RU 2013112679 A 20160310; RU 2604791 C2 20161210; SG 10201505419Y A 20150828; SG 10201710233U A 20180130; SG 2014008221 A 20140328; TW 201345737 A 20131116; TW 201720667 A 20170616; TW I566954 B 20170121; TW I637859 B 20181011; WO 2013105195 A1 20130718; ZA 201401028 B 20160127

DOCDB simple family (application)
DE 202013000268 U 20130111; AR P130100102 A 20130111; AU 2012367439 A 20121226; AU 2013202147 A 20130328; BR 112013006690 A 20121226; CA 2806705 A 20121226; CL 2014000624 A 20140314; CN 201280003040 A 20121226; CN 201310331964 A 20121226; CN 201510102395 A 20121226; CN 201610630627 A 20121226; EP 12823217 A 20121226; EP 13150956 A 20130111; EP 13174669 A 20130111; ES 12823217 T 20121226; ES 13150956 T 20130111; ES 13174669 T 20130111; GB 201300618 A 20120301; HK 14100270 A 20140110; HK 14100896 A 20140128; IL 23100214 A 20140217; IT TO20130019 A 20130111; JP 2012008314 W 20121226; KR 20137007170 A 20121226; KR 20147006397 A 20121226; MX 2013003348 A 20121226; NZ 62041512 A 20121226; PE 2014000319 A 20121226; PL 13150956 T 20130111; RU 2013112679 A 20121226;

SG 10201505419Y A 20121226; SG 10201710233U A 20121226; SG 2014008221 A 20121226; TW 102101228 A 20130111;
TW 105134322 A 20130111; ZA 201401028 A 20140210