

Title (en)

Ink container for reliable electrical connection with a receiving station

Title (de)

Tintenbehälter für zuverlässige elektrische Verbindung mit einer Aufnahmestation

Title (fr)

Réceptier à encre établissant une connexion électrique fiable avec une station de réception

Publication

EP 1445108 A1 20040811 (EN)

Application

EP 03078616 A 20010131

Priority

- EP 01903450 A 20010131
- US 49506000 A 20000131
- US 55687900 A 20000419

Abstract (en)

The present disclosure relates to a replaceable ink container 12 for providing ink to an inkjet printing system 10. The replaceable ink container 12 includes an engagement feature 42 disposed on the leading edge 72 and configured for engagement with corresponding engagement features 48 associated with the inkjet printing system 10. The engagement features 48 define a pivot axis 92 about which the replaceable ink container 12 pivots during insertion into the inkjet printing system 10. Also included with the replaceable ink container 12 is a plurality of electrical contacts 78 disposed on a leading edge 72 relative to an insertion direction. The plurality of electrical contacts 78 are disposed on the replaceable ink container 12 below the pivot axis 92 so that pivoting the replaceable ink container 12 about the pivot axis 92 during insertion causes the plurality of electrical contacts 78 on the ink container 12 to move toward corresponding electrical contacts 64 associated with the printing system 10 to establish electrical interconnection therebetween. <IMAGE>

IPC 1-7

B41J 2/175

IPC 8 full level

B41J 2/01 (2006.01); **B41J 2/175** (2006.01)

CPC (source: EP KR)

B41J 2/175 (2013.01 - KR); **B41J 2/1752** (2013.01 - EP); **B41J 2/17523** (2013.01 - EP); **B41J 2/17526** (2013.01 - EP); **B41J 2/1753** (2013.01 - EP); **B41J 2/1755** (2013.01 - EP); **B41J 2/17553** (2013.01 - EP); **B41J 2/17593** (2013.01 - EP)

Citation (search report)

- [A] EP 0551752 A2 19930721 - CANON KK [JP]
- [A] EP 0590669 A1 19940406 - PITNEY BOWES INC [US]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0154912 A1 20010802; AR 035391 A1 20040526; AR 062473 A2 20081112; AT E278555 T1 20041015; AT E321667 T1 20060415; AT E403548 T1 20080815; AU 2001231258 B2 20041216; AU 3125801 A 20010807; BR 0108135 A 20030225; BR 0108135 B1 20090811; CA 2394719 A1 20010802; CA 2394719 C 20060822; CN 1292906 C 20070103; CN 1419496 A 20030521; DE 60106211 D1 20041111; DE 60106211 T2 20051027; DE 60118443 D1 20060518; DE 60118443 T2 20061130; DE 60135255 D1 20080918; EP 1259380 A1 20021127; EP 1259380 B1 20041006; EP 1410913 A2 20040421; EP 1410913 A3 20040811; EP 1410913 B1 20080806; EP 1445108 A1 20040811; EP 1445108 B1 20060329; ES 2225474 T3 20050316; ES 2258205 T3 20060816; ES 2309272 T3 20081216; HK 1056145 A1 20040206; HU 229609 B1 20140328; HU P0301088 A2 20030828; JP 2003520713 A 20030708; JP 4167831 B2 20081022; KR 100745919 B1 20070802; KR 20020097170 A 20021231; MX PA02007354 A 20040730; PL 197280 B1 20080331; PL 356443 A1 20040628; TW 505574 B 20021011

DOCDB simple family (application)

US 0103121 W 20010131; AR P010100455 A 20010131; AR P070103718 A 20070821; AT 01903450 T 20010131; AT 03078615 T 20010131; AT 03078616 T 20010131; AU 2001231258 A 20010131; AU 3125801 A 20010131; BR 0108135 A 20010131; CA 2394719 A 20010131; CN 01804405 A 20010131; DE 60106211 T 20010131; DE 60118443 T 20010131; DE 60135255 T 20010131; EP 01903450 A 20010131; EP 03078615 A 20010131; EP 03078616 A 20010131; ES 01903450 T 20010131; ES 03078615 T 20010131; ES 03078616 T 20010131; HK 03108502 A 20031121; HU P0301088 A 20010131; JP 2001554877 A 20010131; KR 20027009895 A 20020731; MX PA02007354 A 20010131; PL 35644301 A 20010131; TW 90101779 A 20010130