

Title (en)

Constant pressure ink reservoir for inkjet printer

Title (de)

Tintenbehälter mit konstantem Druck für Tintenstrahldrucker

Title (fr)

Réservoir d'encre sous pression constante pour imprimante à jet d'encre

Publication

EP 0983857 A1 20000308 (EN)

Application

EP 99202802 A 19990831

Priority

- EP 99202802 A 19990831
- EP 98202928 A 19980903

Abstract (en)

Apparatus for controlling pressure in an ink reservoir (16) of an ink jet printer, comprising a casing (26) and a piston (30) movable relative to the casing and defining therewith a variable-volume chamber (32) communicating with the ink reservoir, the piston being biased to maintain a pressure difference between the variable-volume chamber (32) and the outside, characterized in that the piston (30) is biased mainly by gravitational forces.
<IMAGE>

IPC 1-7

B41J 2/175

IPC 8 full level

B41J 2/175 (2006.01)

CPC (source: EP)

B41J 2/17513 (2013.01); **B41J 2/17556** (2013.01)

Citation (applicant)

- US 5039999 A 19910813 - WINSLOW THOMAS H [US], et al
- US 4509062 A 19850402 - LOW ROBERT N [US], et al
- EP 0375383 A1 19900627 - HEWLETT PACKARD CO [US]

Citation (search report)

- [DYA] US 5039999 A 19910813 - WINSLOW THOMAS H [US], et al
- [DYA] EP 0375383 A1 19900627 - HEWLETT PACKARD CO [US]
- [A] US 5650811 A 19970722 - SECCOMBE S DANA [US], et al
- [A] US 4339761 A 19820713 - MATSUMOTO MASAFUMI, et al
- [A] US 5737001 A 19980407 - TAYLOR JOHN L [US]
- [A] GB 2265860 A 19931013 - VIDEOJET SYSTEMS INT INC [GB], et al
- [YA] PATENT ABSTRACTS OF JAPAN vol. 013, no. 400 (M - 867) 6 September 1989 (1989-09-06)
- [A] PATENT ABSTRACTS OF JAPAN vol. 003, no. 089 (E - 126) 28 July 1979 (1979-07-28)

Cited by

DE10129093A1; DE10129093B4; US7325908B2; US7517032B2; WO03066336A1

Designated contracting state (EPC)

DE FR GB IT NL

DOCDB simple family (publication)

EP 0983857 A1 20000308; EP 0983857 B1 20071010

DOCDB simple family (application)

EP 99202802 A 19990831