

Title (en)
Ink cartridge, manufacturing method thereof, and ink jet recording apparatus

Title (de)
Tintenpatrone, Herstellungsverfahren für diese Tintenpatrone und Tintenstrahlaufzeichnungsapparat

Title (fr)
Cartouche d'encre, procédé de fabrication de celle-ci et appareil d'enregistrement à jet d'encre

Publication
EP 1090766 A1 20010411 (EN)

Application
EP 00121274 A 20001005

Priority
JP 28376299 A 19991005

Abstract (en)
A manufacturing method of an ink cartridge is simplified, wherein the ink cartridge is capable of preventing ink from being damaged in its degassed properties. The ink cartridge is provided with: an ink chamber (2) filled with a foam member (8); an ink supply port (4); a pressure reducing port (3); a pair of lids (12a, 12b), wherein an atmosphere communication port (5) is formed so as to pass through the lids (12a, 12b); and, a sealing member (7a) for sealing the atmosphere communication port (5) shut. A resilient element (6) is inserted into each of the ink supply port (4) and the pressure reducing port (3). The sealing member (7a) is made of material which is impermeable to both gases and water vapor. <IMAGE>

IPC 1-7
B41J 2/175

IPC 8 full level
B41J 32/00 (2006.01); **B41J 2/175** (2006.01)

CPC (source: EP KR)
B41J 2/17513 (2013.01 - EP); **B41J 2/17556** (2013.01 - EP); **B41J 2/17559** (2013.01 - EP); **B41J 32/00** (2013.01 - KR)

Citation (search report)

- [A] EP 0842780 A2 19980520 - SEIKO EPSON CORP [JP]
- [A] EP 0906830 A2 19990407 - CANON KK [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 10 31 October 1996 (1996-10-31)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1996, no. 04 30 April 1996 (1996-04-30)
- [AD] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 08 29 September 1995 (1995-09-29)

Cited by
EP1717040A3; CN103600586A; EP2216178A1; CN102922881A; EP2152517A4; US2020120923A1; US8016396B2; US8337000B2; US8449088B2; WO2008137004A3

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1090766 A1 20010411; JP 2001105618 A 20010417; KR 20010039995 A 20010515

DOCDB simple family (application)
EP 00121274 A 20001005; JP 28376299 A 19991005; KR 20000058369 A 20001005