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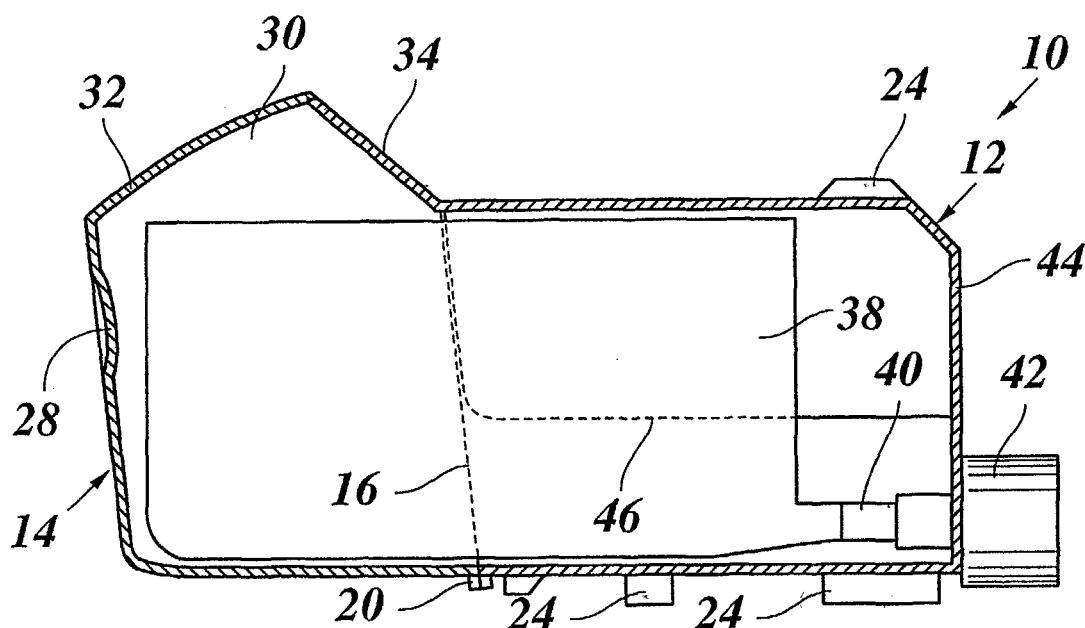
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(54) **Ink tank for ink jet**

(57) Ink tank comprising a casing (10) having a front wall (44) formed with a coupling (42), and a bag (38) accommodated in said casing (10) and connected to said

coupling (42), characterized in that the casing (10) comprises a first shell (12) including said front wall (44), and a second shell (14) welded to the first shell (12).

Fig. 2





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EUROPEAN SEARCH REPORT

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| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|--|---|--|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| X | PATENT ABSTRACTS OF JAPAN vol. 013, no. 380 (M-863), 23 August 1989 (1989-08-23) & JP 01 133749 A (CANON INC), 25 May 1989 (1989-05-25) * abstract * | 1-11 | INV. B41J2/175 |
| X | PATENT ABSTRACTS OF JAPAN vol. 018, no. 186 (M-1585), 30 March 1994 (1994-03-30) & JP 05 345423 A (CANON INC), 27 December 1993 (1993-12-27) * abstract * | 1,8,9,11 | |
| X | US 6 161 927 A (DEFOSSE STEPHEN FRANCIS ET AL) 19 December 2000 (2000-12-19) * column 4, line 36 - line 53; figure 1 * | 1,8,9,11 | |
| X | US 2001/048457 A1 (HARA KAZUHIKO ET AL) 6 December 2001 (2001-12-06) * column 2, last line ; figure 1 * * page 6, left-hand column, last paragraph - right-hand column, paragraph 1; claim 7 * | 1,8,11 | TECHNICAL FIELDS SEARCHED (IPC) B41J |
| A | PATENT ABSTRACTS OF JAPAN vol. 2002, no. 02, 2 April 2002 (2002-04-02) & JP 2001 270133 A (SEIKO EPSON CORP), 2 October 2001 (2001-10-02) * abstract * | 11 | |
| A | US 6 250 751 B1 (LONG GREGORY ALAN ET AL) 26 June 2001 (2001-06-26) ----- -/-- | | |
| The present search report has been drawn up for all claims | | | |
| Place of search The Hague | | Date of completion of the search 17 January 2007 | Examiner Adam, Emmanuel |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |

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European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 07 6946

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|--|---|---|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (IPC) |
| A | PATENT ABSTRACTS OF JAPAN vol. 2002, no. 05, 3 May 2002 (2002-05-03) & JP 2002 001980 A (SEIKO EPSON CORP), 8 January 2002 (2002-01-08) * abstract * ----- | | |
| | | | TECHNICAL FIELDS SEARCHED (IPC) |
| | | | |
| The present search report has been drawn up for all claims | | | |
| Place of search The Hague | | Date of completion of the search 17 January 2007 | Examiner Adam, Emmanuel |
| CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document | | | |

2
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 07 6946

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The members are as contained in the European Patent Office EDP file on
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17-01-2007

| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|----|---------------------|----------------------------|---------------------|
| JP 01133749 | A | 25-05-1989 | JP 2633875 B2 | 23-07-1997 |
| JP 05345423 | A | 27-12-1993 | NONE | |
| US 6161927 | A | 19-12-2000 | NONE | |
| US 2001048457 | A1 | 06-12-2001 | NONE | |
| JP 2001270133 | A | 02-10-2001 | NONE | |
| US 6250751 | B1 | 26-06-2001 | NONE | |
| JP 2002001980 | A | 08-01-2002 | JP 3767334 B2 | 19-04-2006 |