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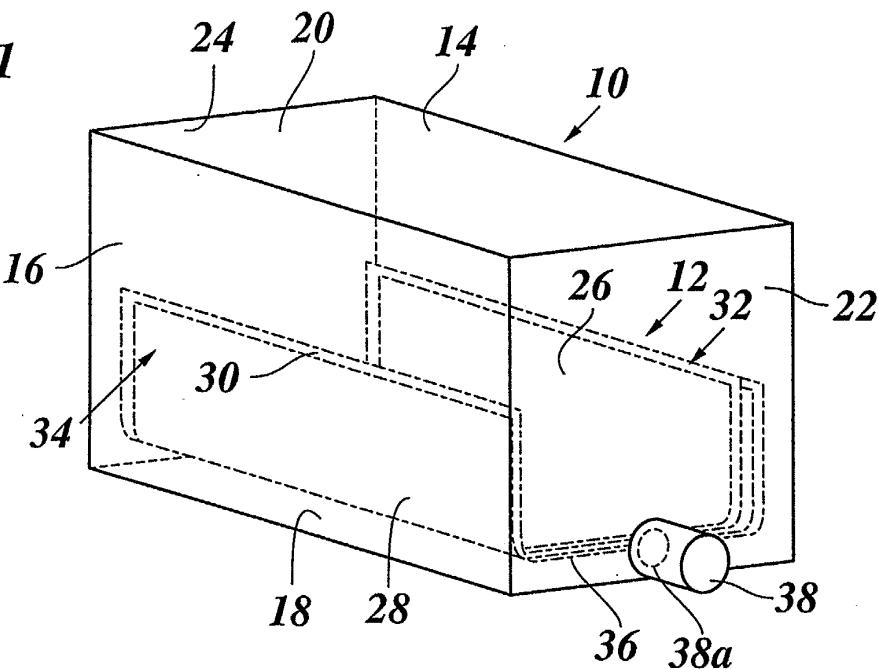
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### (54) Ink tank

(57) Ink tank for an ink jet printer, comprising a casing having a bottom wall (18) and a front wall (20) with an opening (38') formed therein, and a bag (12) accommodated in said casing (10) and collapsible into a sheet-like configuration, the bag (12) having a top wall (26), a bottom wall (28), a front edge (36) and a spout (38) formed in a central region of said front edge (36) and located at

the position of said front wall opening (38'), characterised in that the width (W) of the top and bottom walls (26, 28) of the bag (12), when measured in a flat, sheet-like configuration and in the direction of the front edge (36), is larger than the width of the casing (10), and in that the front wall opening (38') is located near the bottom wall (18) of the casing (10).

*Fig. 1*





DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	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 *	1-12	INV. B41J2/175
X	----- GB 2 331 065 A (GR ADVANCED MATERIALS LTD [GB]) 12 May 1999 (1999-05-12) * page 3, line 24 - page 4, line 4; figure 1 *	1-12	
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 *	1-12	
X	----- DE 198 49 567 A1 (TALLY COMPUTERDRUCKER GMBH [DE]) 4 May 2000 (2000-05-04) * abstract; figure 2b *	1-12	TECHNICAL FIELDS SEARCHED (IPC)
X	----- EP 1 013 449 A2 (SEIKO EPSON CORP [JP]) 28 June 2000 (2000-06-28) * abstract; figures 1a,8a,12a,12b *	1,12	B41J
A	----- 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 *	1,12	
A	----- US 6 250 751 B1 (LONG GREGORY ALAN ET AL) 26 June 2001 (2001-06-26) * the whole document *	1,12	
The present search report has been drawn up for all claims			
3	Place of search	Date of completion of the search	Examiner
	The Hague	25 January 2007	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			

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

EP 03 07 6945

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

25-01-2007

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
JP 2002001980	A	08-01-2002	JP	3767334 B2		19-04-2006
GB 2331065	A	12-05-1999	JP	3847984 B2		22-11-2006
			JP	11222273 A		17-08-1999
			US	6105821 A		22-08-2000
JP 01133749	A	25-05-1989	JP	2633875 B2		23-07-1997
DE 19849567	A1	04-05-2000		NONE		
EP 1013449	A2	28-06-2000	US	6220702 B1		24-04-2001
JP 05345423	A	27-12-1993		NONE		
US 6250751	B1	26-06-2001		NONE		