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(54) **Ink reservoir for ink jet printer**

(57) An ink reservoir for use in an ink jet printer cartridge is disclosed. This ink reservoir maintains effective flow of the ink to the print head but contains only minimal levels of nonvolatile residues. The ink reservoir utilizes

a nonfelted reticulated foam having from 65 to 110 pores per inch (ppi, equivalent to 25 to 45 pores per cm), preferably from 88 to 98 ppi (35 to 38 pores per cm), with a compression ratio of from 1.5 to 6.5, preferably from 2.0 to 4.0.

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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 (Int.Cl.6)
P, A	EP 0 803 363 A (LEXMARK INT INC) 29 October 1997 * column 4, line 4 - line 39; claims 6,12; figure 2 *	1,5,6, 10,12	B41J2/175
A	EP 0 466 093 A (CANON KK) 15 January 1992 * page 3, line 10 - line 32 * * page 14, line 36 - page 15, line 8 *	1,6,7,10	
A	US 5 480 947 A (OISHI TETSUYA ET AL) 2 January 1996 * column 49, line 45 - column 50, line 9 *	1,2,6	
A	EP 0 629 505 A (PITNEY BOWES) 21 December 1994 * column 2, line 16 - line 31 *	1,6	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			B41J
Place of search THE HAGUE		Date of completion of the search 7 December 1998	Examiner Adam, E
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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