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(54) Title: SULFONATED OR PHOSPHONATED LATEX POLYMERS FOR INK-JET PRINTING

(57) Abstract: The present invention is drawn to a latex particulate having a plurality of polymerized monomers and a dispersing agent incorporated therein. The dispersing agent can have the structure X - CH₂ (R)-SO₃M, X - CH₂ (R)-PO₄M, or combinations thereof, wherein X is SH, Cl or Br; R is independently C₁ to C₅ alkyl; and M is independently Li, Na, or K. The dispersing agent can comprise from about 0.1 wt% to about 20 wt% of the latex particulate.



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A. CLASSIFICATION OF SUBJECT MATTER*C08K 5/00(2006.01)i, C09D 11/00(2006.01)i, C03C 17/00(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS; PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2007/049806 A1 (Ricoh Company, Ltd.) 03 May 2007 See the abstract; and the claims.	1-10
A	WO 2003/014237 A1 (LEXMARK INTERNATIONAL, INC.) 20 Feb. 2003 See the abstract; and the claims.	1-10
A	WO 2006/064193 A1 (FUJIFILM Imaging Colorants Limited) 22 June 2006 See the abstract; and the claims.	1-10
A	WO 2006/030976 A1 (Ricoh Company, Ltd.) 23 March 2006 See the abstract; and the claims.	1-10
A	WO 2006/030978 A1 (Ricoh Company, Ltd.) 23 March 2006 See the abstract; and the claims.	1-10
A	WO 2003/044103 A1 (3M INNOVATIVE PROPERTIES COMPANY) 30 May 2003 See the abstract; and the claims.	1-10
A	KR 10-2006-0087881 A (SAMSUNG ELECTRONICS CO., LTD.) 03 August 2006 See the abstract; and the claims.	1-10

 Further documents are listed in the continuation of Box C. See patent family annex.

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