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(54) Title: COMPOSITIONS OF CELLULOSE ESTERS AND LAYERED SILICATES AND PROCESS FOR THE PREPARATION THEREOF

(57) Abstract: Composites of cellulose esters, plasticizer, a maleated compatibilizer and organically modified clay are described. The composites have superior tensile and flexural strengths, modulus, dimensional stability and heat deflection temperature (HDT).



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/13781

A. CLASSIFICATION OF SUBJECT MATTER

IPC: C08K 9/00(2006.01)

USPC: 523/209;524/31,35,445;106/618

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)

U.S. : 523/209; 524/31, 35, 445; 106/618

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)
US PAT, US PGPUB, USOCR, DERWENT, EPO, JPO

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,506,824 B1 (BASTIOLI et al) 14 Jan 2003 (14.01.2003), abstract; col 1 line 39 to col 2 line 40; col 3, lines 47-52; col 4, lines 11-14, 17-25; col 5, lines 16-21, 39-40; col 6, table 1; col 10, lines 1-10.	1-4,6-15,18-21,23-26
Y	US 2002/0098309 A1 (BAGRODIA et al) 25 July 2002 (25.07.2002), abstract; paragraphs 2, 23, 29, 30, 52-56, 63, 75.	1-4,6-15,18-21,23-26
Y	WIBOWO, A. et al. Solvent-Free Maleic Anhydride Grafted Cellulose Acetate Butyrate (MA-g-CAB): Synthesis And Characterization. Polymer Preprints, March 2004, Vol 45, No. 1, pages 1058-1059.	1-4,13,14,18-20
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Y	US 2001/0007676 A1 (MUI et al) 12 July 2001 (12.07.2001), para 14, 27.	16



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International application No.
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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0059047 (AUTRAN et al) 25 March 2004 (25.03.2004), abstract, para 2-3, 60, 80-83.	17,22
A	JP 07-102114 (YAMAUCHI TATSUO) 18 April 1995 (18.04.1995), abstract.	1
A	US 6,214,907 (TOMKA) 10 April 2001 (10.04.2001).	1
A	EP 1 057 858 A2 (NAKATA et al) 6 Dec 2000 (06.12.2000).	1,6