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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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(54) Title: POLYCARBONATE COMPOSITIONS AND ARTICLES FORMED THEREFROM, WITH MATTE SURFACES AND HIGH LIGHT TRANSMISSIONS

(57) Abstract: A composition is disclosed having a matte surface and high optical transmission characteristics. The composition comprises a polycarbonate and refractive index compatible polymer particles such as crosslinked polystyrene. The polycarbonate composition is useful for manufacture of anti-glare lenses, ATM screens, decorative articles, and housings for electronic appliances such as a computer.



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# INTERNATIONAL SEARCH REPORT

International application No <b>PCT/US2006/048596</b>
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<b>A. CLASSIFICATION OF SUBJECT MATTER</b> INV. C08L69/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) C08L		
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 practical, search terms used) EPO-Internal, WPI Data		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/57135 A (BAYER AG [DE]; WEBER HANS LEO [DE]; MEYER KLAUS [DE]) 9 August 2001 (2001-08-09) claim 1 page 5, line 28 - page 6, line 7 -----	1-3, 12-21
X	GB 1 449 870 A (BAYER AG) 15 September 1976 (1976-09-15) claim 1 page 4, line 35 - page 5, line 10 -----	1-3, 12-21
X	EP 0 759 459 A2 (TEIJIN LTD [JP]) 26 February 1997 (1997-02-26) claims 1,2,9,13 -----	1-3, 12-22
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <span style="margin-left: 100px;"><input checked="" type="checkbox"/> See patent family annex.</span>		
* Special categories of cited documents :		
*A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed	*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family	
Date of the actual completion of the international search	Date of mailing of the international search report	
19 June 2007	28/06/2007	
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <b>Schlicke, Benedikt</b>	

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2006/048596

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
WO 0157135	A	09-08-2001	AU 4053201	A 14-08-2001
			CN 1398278	A 19-02-2003
			DE 10005037	A1 09-08-2001
			EP 1268668	A1 02-01-2003
			JP 2003522245	T 22-07-2003
			US 2003032723	A1 13-02-2003
GB 1449870	A	15-09-1976	AT 335743	B 25-03-1977
			AT 1023673	A 15-07-1976
			AU 475655	B2 26-08-1976
			AU 6316973	A 05-06-1975
			BE 808229	A1 05-06-1974
			CA 1028787	A1 28-03-1978
			CH 590897	A5 31-08-1977
			DD 112464	A5 12-04-1975
			DE 2329646	A1 09-01-1975
			DK 659873	A 03-02-1975
			ES 421178	A1 01-04-1976
			FR 2234350	A1 17-01-1975
			IT 1000433	B 30-03-1976
			JP 1108808	C 13-08-1982
			JP 51001556	A 08-01-1976
			JP 56054333	B 24-12-1981
			NL 7316735	A 11-12-1974
			NO 464273	A 06-01-1975
			SE 7316433	A 10-12-1974
US 3880783	A 29-04-1975			
EP 0759459	A2	26-02-1997	AU 706442	B2 17-06-1999
			AU 6197996	A 20-02-1997
			CA 2183412	A1 18-02-1997
			CN 1149601	A 14-05-1997
			DE 69611405	D1 08-02-2001
			DE 69611405	T2 23-08-2001