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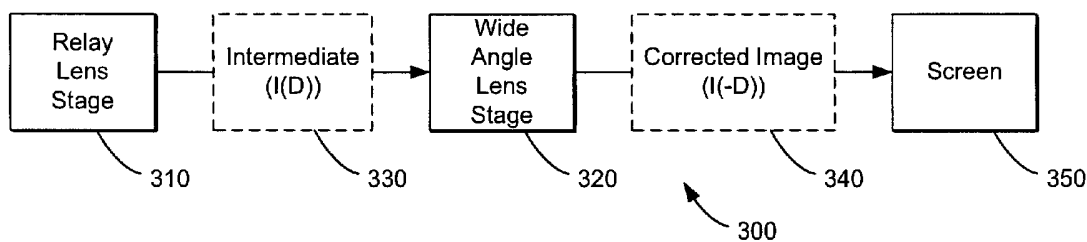
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(54) Title: PROJECTION TELEVISION DEVICE AND SCREEN



(57) Abstract: A front projection display device is provided including an imagegenerating source configured to generate an image, a wide angle lens system adapted to receive the image, and a screen. The wide angle lens system may be configured to increase distortion of the image in a first stage and decrease distortion of the image in a second stage. The screen may be configured to receive the image from the wide angle lens system on a first side and reflect the image back to a viewer on the first side. In another embodiment, a screen is provided for a front projection system, the screen may be configured to receive light from a steep angle and may include any number of surface topographies configured to reflect light back to the viewer along a desired viewing plane.

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/00372

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC(7) : G03B 21/14 US CL : 353/69 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) U.S. : 353/37, 69, 70, 81, 98, 99 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
<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	US 6,624,952 B2 (KUWA et al) 23 September 2003 (23.09.2003), Figures 4-5; column 6, lines 36-59; columns 7-8.	1, 2, 4, 10-16
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Y		3, 5-9, 17, 19-28
Y	US 6,485,145 B1 (COTTON et al) 26 November 2002 (26.11.2002), see entire document.	3, 17
Y	US 2003/0169513 A1 (KAMINSKY et al) 11 September 2003 (11.09.2003), see entire document.	5, 7-9, 19-28
Y	US 2003/0038999 A1 (KNOX et al) 27 February 2003 (27.02.2003), see entire document.	6
A	US 6,018,425 A (NAKABAYASHI et al) 25 January 2000 (25.01.2000), see entire document.	1-28
A	US 6,652,104 B2 (NISHIDA et al) 25 November 2003 (25.11.2003), see entire document.	1-28
A	US 6,188,523 B1 (CHOI) 13 February 2001 (13.02.2001), see entire document.	1-28
A	US 6,471,359 B1 (KIM et al) 29 October 2002 (29.10.2002), see entire document.	1-28
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201		Authorized officer JOSE G. DEES Telephone No. (571) 272-1607  <i>Jose G. Dees</i>

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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.
A,E	US 6,853,493 B2 (KREITZER) 08 February 2005 (08.02.2005), see entire document.	1-28

**INTERNATIONAL SEARCH REPORT**

International application No.  
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Continuation of B. FIELDS SEARCHED Item 3:

EAST: US-PGPUB; USPAT

search terms: wide adj angle adj lens; wide adj angle adj lens and project\$4; wide adj angle adj lens and project\$4 and reflect\$3;  
"359"/\$.cls. and screen and lenticular and bead\$3; screen and fresnel; screen and fresnel and (front adj projection) and (rear adj  
projection)