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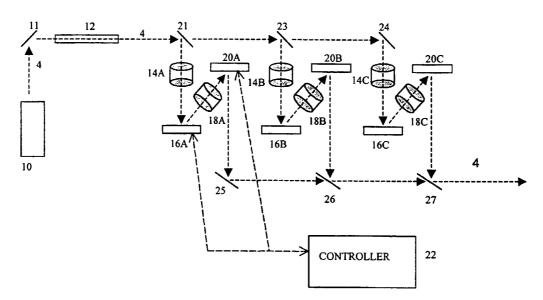
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(54) Title: IMPROVEMENTS IN DMD-BASED IMAGE DISPLAY SYSTEMS

15 March 2000 (15.03,2000)

<u>3</u>



(57) Abstract: A projection system having a controller and a plurality of reflective SLMs operatively coupled to the controller to receive image data from the controller. The reflective SLMs are aligned in series to receive light from a light source and to reflect imaging light correlated to the image data.



INTERNATIONAL SEARCH REPORT

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	o International Patent Classification (IPC) or to both national class	sification and IPC			
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	tion searched other than minimum documentation to the extent th ata base consulted during the international search (name of data				
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C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT				
Category °	Citation of document, with indication, where appropriate, of the	e relevant passages	Relevant to claim No.		
А	WO 99 60557 A (INVISO) 25 November 1999 (1999-11-25) page 26, line 14 -page 29, line	e 11	1,19		
A	US 5 612 753 A (PORADISH FRANK 18 March 1997 (1997-03-18) cited in the application column 2, line 15 - line 40; fi		1,19		
Furt	ther documents are listed in the continuation of box C.	χ Patent family members are listed	in annex.		
° Special ca	ategories of cited documents:	"T" later document published after the inte	ernational filing date		
A document defining the general state of the art which is not		or priority date and not in conflict with cited to understand the principle or th			
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NL – 2280 HV Hijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016		Pigniez, T			

INTERNATIONAL SEARCH REPORT

Information on patent family members

Inte...ational Application No
PCT/CA 01/00339

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
WO 9960557	Α	25-11-1999	AU EP WO US	3993399 A 1084488 A1 9960557 A1 6140983 A	06-12-1999 21-03-2001 25-11-1999 31-10-2000
US 5612753	Α	18-03-1997	US	5905545 A	18-05-1999