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Declaration under Rule 4.17:

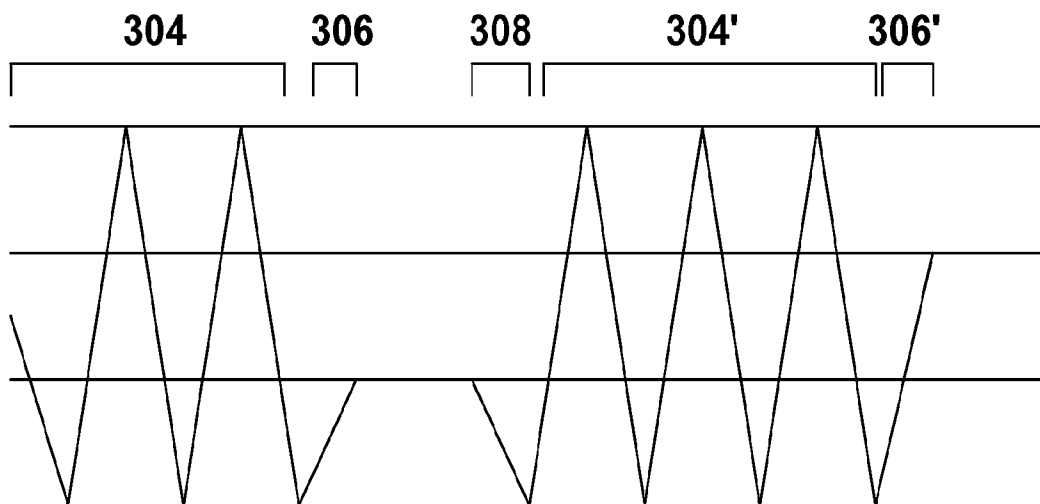
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

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(54) Title: ELECTROPHORETIC DISPLAYS USING GASEOUS FLUIDS



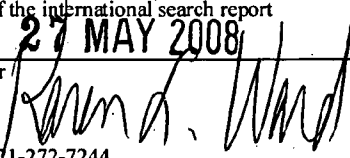
(57) Abstract: An electrophoretic display comprises a pair of facing substrates, at least one of which is transparent, a plurality of particles and a gas between the substrates, and means for applying an electric field to cause the particles to move and thus change the electro-optic state of the display. The electric field means is arranged to increase the impulse applied to the display with increasing time since a reference time, or with increasing number of images written on the display. In another embodiment, an alternating current pulse is applied to the display, and the duration and/or amplitude of the alternating current pulse is increased with increasing time since a reference time.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/74216

A. CLASSIFICATION OF SUBJECT MATTER IPC: G09G 3/34(2006.01);G02F 1/03(2006.01);G02F 1/1333(2006.01) USPC: 345/107;349/86,89,90,91;359/242,244,296 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. : 345/107;349/86,89,90,91;359/242,244,296 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) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7,034,987 B2 (SCHLANGEN) 25 April 2006 (25.04.2006), whole document.	
A	US 7,006,063 B2 (MAEDA) 28 February 2006 (28.02.2006), whole document.	
A	US 2005/0001810 A (YAKUSHIJI ET AL) 06 January 2005 (06.01.2005), whole document	
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
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"A"	document defining the general state of the art which is not considered to be of particular relevance	"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
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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 Henry N. Tran  Telephone No. 571-272-7244	

INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

EAST

Search terms: electrophoretic, particle, capsule, encapsulated capsule, capcell; gas, gaseous fluid, impulse, pulse, voltage, predetermined or reference time period or duration.