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(71) Applicant (for all designated States except US): TEXAS INSTRUMENTS INCORPORATED [US/US];
P.O.BOX 655474, Mail Station 3999, Dallas, TX
75265-5474 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CHU, Henry, C.** [US/US]; 3232 Caravan Drive, Plano, TX 75025 (US). **GONG, Cuiling** [CN/US]; 8316 Wooded Cove Drive, Plano, TX 75025 (US).

(74) **Agents:** FRANZ, Warren, L. et al.; TEXAS INSTRUMENTS INCORPORATED, Deputy General Patent Counsel, P.O.box 655474, M/S 3999, Dallas, TX 75265-5474 (US).

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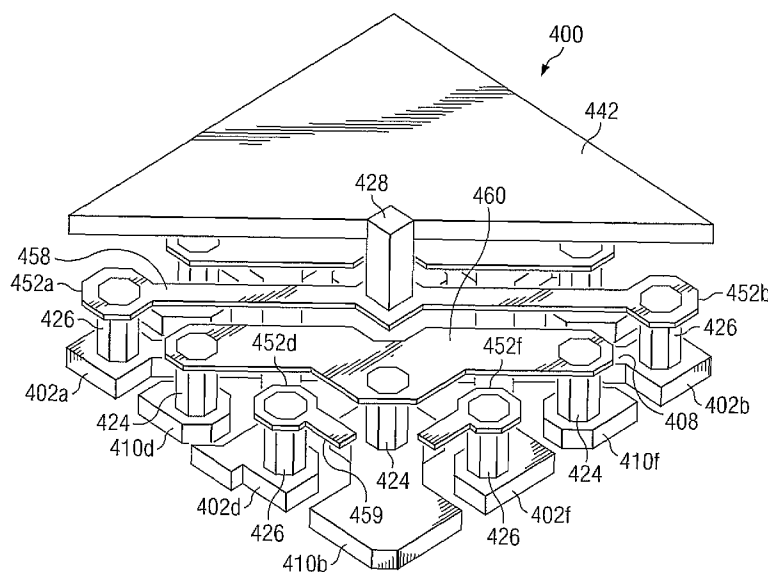
Declarations under Rule 4.17:

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

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

[Continued on next page]

(54) Title: DIGITAL MICRO-MIRROR DEVICE WITH FREE STANDING SPRING TIPS AND DISTRIBUTED ADDRESS ELECTRODES



(57) Abstract: A micro-mirror element comprises a first address portion, a second portion, and one or more address vias. The first address portion comprises a plurality of address pads distributed in a first layer of the micro-mirror element. The second address portion comprises a plurality of address electrodes distributed in a second layer of the micro-mirror element. The one or more address vias are operable to conductively couple the first address portion to the second address portion for the transfer of an address voltage from the first address portion to the second address portion. The distribution of the address pads of the first address portion and the address electrodes of the second address portion causes an electrostatic force provided by the second address portion to be greater than an electrostatic force provided by the first address portion.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/29654

A. CLASSIFICATION OF SUBJECT MATTER

IPC: **G02B 26/00**(2007.01)

USPC: 359/291

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. : 359/290

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,771,116 (Miller et al) 23 June 1998 (23.06.1998), column 6, lines 17-35.	1-4

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

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"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)	"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
"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) 273-6013

Authorized officer

Jerry Fang

Telephone No. 5712726013