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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

PTO 107194096 07/11/02

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Qing Ma, Valluri Rao, John Heck, Li-Peng Wang, Dong Shim, and Quan Tran

2. Name and address of receiving party(ies): Name: Intel Corporation

3. Nature of Conveyance: Assignment, Merger, Security Agreement, Change of Name, Other

Street Address: 2200 Mission College Blvd., City: Santa Clara State/Province: CA Zip: 95052 Country: USA

4. Application Number(s) or patent number(s): A. Patent Application No(s) 107194096

B. Patent No.(s) June 26, 2002

5. Name and address of party to whom correspondence concerning document should be mailed: Attn: Todd M. Becker Name: Blakely, Sokoloff, Taylor & Zafman LLP

6. Total number of applications and patents involved: 1 7. Total Fee (37 CFR 3.41).....\$40.00 Enclosed

9. Statement and signature. To the best of my knowledge and believe, the foregoing is true and correct and any attached copy is a true copy of the original document. Todd M. Becker, Reg. No. 43,487 Signature Date 7-11-02

Mail documents to be recorded with required cover sheet information to: Assistant Commissioner of Patents, Box Assignments Washington, D.C. 20231

Atty Docket No.: 42P13834

07/18/2002 RMEBRAHT 00000024 022666 10194096 01 FC:581 40.00 DP

PATENT REEL: 013102 FRAME: 0446

No.: 42P13834 (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, We
the undersigned, Qing Ma, Valluri Rao, John Heck, Li-Peng Wang,
Dong Shim, and Quan Tran
hereby sell, assign, and transfer to Intel Corporation
a corporation of Delaware, having a principal place of business at
2200 Mission College Blvd., Santa Clara, CA 95052, ("Assignee"),
and its successors, assigns, and legal representatives, the entire right, title, and interest for the
United States and all foreign countries, in and to any and all improvements that are disclosed in
the application for the United States patent that has been executed by the undersigned prior
hereto or concurrently herewith on the dates indicated below and is entitled MICROELECTROMECHANICAL (MEMS) SWITCHING APPARATUS,

and in and to said application and all divisional applications, continuation applications,
continued prosecution applications, continuation-in-part applications, substitute applications,
renewal applications, reissue applications, reexaminations, extensions, and all other patent
applications that have been or shall be filed in the United States and all foreign countries on
any of said improvements; and in and to all original patents, reissued patents, reexamination
certificates, and extensions, that have been or shall be issued in the United States and all
foreign countries on said improvements; and in and to all rights of priority resulting from the
filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said
improvements in its own name; and that, when requested, without charge to, but at the
expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in
good faith the intent and purpose of this Assignment, the undersigned will execute all divisional
applications, continuation applications, continued prosecution applications, continuation-in-part
applications, substitute applications, renewal applications, reissue applications, reexaminations,
extensions and all other patent applications on any and all said improvements; execute all
rightful oaths, assignments, powers of attorney, and other papers; communicate to said
Assignee, its successors, assigns, and representatives all facts known to the undersigned
relating to said improvements and the history thereof; and generally assist said Assignee, its
successors, assigns, or representatives in securing and maintaining proper patent protection
for said improvements and for vesting title to said improvements, and all applications for
patents and all patents on said improvements, in said Assignee, its successors, assigns, and
legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no
assignment, grant, mortgage, license, or other agreement affecting the rights and property
herein conveyed has been made to others by the undersigned, and that full right to convey the
same as herein expressed is possessed by the undersigned.

Each Inventor: Please also list the date that you signed the accompanying DECLARATION AND POWER OF ATTORNEY:

Each Inventor: Please Sign and Date Below:

June 26, 2002
Date
Name: Qing Ma

June 26, 2002
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