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U.S. DEPARTMENT OF COMMERCE
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Docket-30435.95WOU1 To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof 1. Name of conveying parties: 2. Name and address of receiving party: 8-20-6 (1) CHANG-JIN KIM The Regents of the University of California 1111 Franklin Street, 12th Floor (2) JUNGHOON LEE Oakland, California 94607 Additional name(s) of conveying party(ies) attached?

No Additional name(s) & address(es) attached?

No 3. Nature of conveyance: Execution Date: (1) July 30, 2001, (2) August 4, 2001 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No.(s) B. Patent No.(s) PCT/US01/23506 filed July 25, 2001 Additional numbers attached? No 5. Name and address of party to whom correspondence concerning 6. Total number of applications and patents involved: One document should be mailed: 7. Total fee (37 CFR 3.41): \$40 George H. Gates Name: Assignment recordation fee is to be charged to a Credit Address: **GATES & COOPER LLP** Card. Form PTO-2038 Credit Card Payment Form is 6701 Center Drive West, Suite 1050 enclosed. Los Angeles, CA 90045 8. Please charge any additional fees or credit any overpayment to Deposit Account No. 50-0494. DO NOT USE THIS SPACE 9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. August 13, 2001 George H. Gates Date Name of Person Signing Total number of pages including cover sheet, attachments, and document: Three

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08/27/2001 LMUELLER 00000066 PCTUS0123506

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PATENT REEL: 012101 FRAME: 0570

ASSIGNMENT

U.C. Case No. 2000-270-2

G & C Case No. 30435.95WOU1

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. Chang-Jin Kim

2. Junghoon Lee

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California Corporation, having its statewide administrative offices located 1111 Franklin Street, 12th Floor, Oakland,

California 94607, and the successors, assigns and legal and interest for the United States and its territorial possall improvements which are disclosed in the invention en	essions and in all foreign countries in and to, any and
ELECTROWETTING-DRIVEN MICROPUMPING	
and which is found in	
X PCT International Patent Application Number on 25 July 2001	ber PCT/US01/23506 , filed
and any legal equivalent thereof in a foreign country, in Letters Patent to be obtained for said invention by a continuation-in-part, extension, conversion to 35 US reexamination or extension of said Letters Patent and Protection of Industrial Property;	the above application or any continuation, division, SC 111(a) or substitute thereof, and any reissue,
ASSIGNOR(S) hereby covenants that no assignment, made or entered into which would conflict with this assignment.	
ASSIGNOR(S) further covenants that ASSIGNEE with pertinent facts and documents relating to said invention be known and accessible to ASSIGNOR and will test proceeding relating thereto and will promptly execute any and all papers, instruments or affidavits required application, said invention and said Letters Patent and desirable to carry out the purposes thereof. An attorney of this assignment to insert into this assignment the fill officially known.	and said Letters Patent and legal equivalents as may tify as to the same in any interference, litigation, or and deliver to ASSIGNEE or its legal representative to apply for, obtain, maintain, issue or enforce said said equivalents thereof which may be necessary or of record is authorized and requested by the execution
AND the <u>ASSIGNOR(S)</u> requests the Commissioner of the United States and any reissue or extension thereof California.	
executed this	Signature of Inventor(s)
day of	Chang-Jin Kim Junghoon Lee
~	V

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PATENT REEL: 012101 FRAME: 0571

ASSIGNMENT

U.C. Case No. 2000-270-2

G & C Case No. 30435.95WOU1

For good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S),

1. Chang-Jin Kim

2. Junghoon Lee

hereby sells, assigns and transfers to ASSIGNEE, The Regents of the University of California, a California

Corporation, having its statewide administrative offices local California 94607, and the successors, assigns and legal represent interest for the United States and its territorial possession all improvements which are disclosed in the invention entitled:	entatives of the ASSIGNEE all of its right, title s and in all foreign countries in and to, any and	
ELECTROWETTING-DRIVEN MICROPUMPING		
and which is found in		
X PCT International Patent Application NumberI on25 July 2001	PCT/US01/23506 , filed	
and any legal equivalent thereof in a foreign country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, continuation-in-part, extension, conversion to 35 USC 111(a) or substitute thereof, and any reissue, reexamination or extension of said Letters Patent and all rights under all International Conventions for the Protection of Industrial Property;		
ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;		
ASSIGNOR(S) further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation, or proceeding relating thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue or enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof. An attorney of record is authorized and requested by the execution of this assignment to insert into this assignment the filing date and serial number of said application when officially known.		
AND the <u>ASSIGNOR(S)</u> requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States and any reissue or extension thereof to the ASSIGNEE, The Regents of the University of California.		
executed this 30 day of July, 2001	Signature of Inventor(s) Chang-Jin Kim	
day of	Junghoon Lee	

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RECORDED: 08/20/2001

PATENT REEL: 012101 FRAME: 0572