00.00	0-2003 U.S. DEPARTMENT OF COMMERCE
(Rev. 10/02)  OMB No. 0651-0027 (exp. 6/30/2005)	U.S. Patent and Trademark Office
Tab settings ⇒ ⇒ ▼ ▼  To the Honorable Commissioner of Pat 1024	67799 original documents or copy thereof.
Name of conveying party(ies):     Haruhiko H. Asada     Yi Zhang	Name and address of receiving party(ies)     Name: Massachusetts Institute of Technology     Internal Address:
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	
3. Nature of conveyance:	
☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other	Street Address: 77 Massachusetts Avenue
	City: Cambridge State: MA Zip: 02139
Execution Date: May 30, 2003	Additional name(s) & address(es) attached?   Yes   No
A. Patent Application No.(s) 10/367,120	B. Patent No.(s)  B. Yes X No
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved:
concerning document should be mailed:	7. Total fee (37 CFR 3.41)\$40.00
Name:Bromberg & Sunstein LLP Internal Address: Attn: Charlton Shen	⊠ Enclosed
	Authorized to be charged to deposit account
Street Address: 125 Summer Street	8. Deposit account number:
City: Boston State: MA Zip: 02101	(Attach duplicate copy of this page if paying by deposit account)
C 8021 AN AN ND DO NOT USE	THIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing is a true copy of the original document.	information is true and correct and any attached copy
Samuel J. Petuchowski  Name of Person Signing	Signature June 2, 2003 Date
1	er sheet, attachments, and documents: 7

## **ASSIGNMENT**

ASSIGNOR: Haruhiko H. Asada

Yi Zhang

ASSIGNEE: Massachusetts Institute of Technology

77 Massachusetts Avenue Cambridge, MA 02139

STATE OF INCORPORATION OF ASSIGNEE: Massachusetts

<u>INVENTION</u>: Multi-Channel Blind System Identification for Cardiovascular Monitoring

ATTORNEY DOCKET: 1118/190

SERIAL NO: not yet assigned

FILED: February 14, 2002

Assignor is the sole inventor (if only one inventor is listed above) or a joint inventor (if more than one inventor is listed above) of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States

application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

Date: April 9, 2003	Haruhiko H. Asada, Assignor
STATE/COMMONWEALTH OF	)
county of Middlesen	) ss. )
Haruhiko H. Asada, to me known to being first duly sworn, acknowledge	n and for said county and state, personally appeared to be the person described in the foregoing instrument, who, and his signature on the foregoing instrument in my presence act and deed on the date written above opposite his  My Commission Expires March 11, 2005  Notary Public  My Commission Expires:
(seal)	
Date:	Yi Zhang, Assignor
STATE OF )	
COUNTY OF	) ss. )
Before me, a notary public in and for said county and state, personally appeared Yi Zhang, to me known to be the person described in the foregoing instrument, who, being first duly sworn, acknowledged his signature on the foregoing instrument in my presence and declared the same to be his free act and deed on the date written above opposite his signature.	
	Notary Public
(seal) 1118/190 240891.1	My Commission Expires:

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set

forth below.

## **ASSIGNMENT**

ASSIGNOR: Haruhiko H. Asada

Yi Zhang

ASSIGNEE: Massachusetts Institute of Technology

77 Massachusetts Avenue Cambridge, MA 02139

STATE OF INCORPORATION OF ASSIGNEE: Massachusetts

<u>INVENTION</u>: Multi-Channel Blind System Identification for Cardiovascular Monitoring

ATTORNEY DOCKET: 1118/190

SERIAL NO: not yet assigned

FILED: February 14, 2002

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For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States

application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each	Assignor hereby executes this instrument on the date set
Forth below.	
Date:	
	Haruhiko H. Asada, Assignor
STATE/COMMONWEALTH OF	) ) ss.
COUNTY OF	)
Haruhiko H. Asada, to me known to be t being first duly sworn, acknowledged his	If for said county and state, personally appeared the person described in the foregoing instrument, who, is signature on the foregoing instrument in my presence and deed on the date written above opposite his
	Notary Public My Commission Expires:
(seal)	
Date: $\frac{5/30/2003}{}$	Yi Zhang, Assignor
STATE OF MANSEY	) ) ss.
COUNTY OF Ramsey	)
	d for said county and state, personally appeared
duly sworn, acknowledged his signature	described in the foregoing instrument, who, being first on the foregoing instrument in my presence and declared he date written above opposite his signature.
	11 2
GEORGIA K. BERGSTRO NOTARY PUBLIC - MINIMESOT	Mental Serge Despution Notary Public

(seal) 1118/190 240891.1

**RECORDED: 06/05/2003** 

My Commission Expires: