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.orney Docket No.: 42P16800

To the Director of the United States Patent and Trademark Office. Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Martin W. Braun, Ph.D., Daniel E. Rivera,  
Wenlin Wang

Additional name(s) of conveying party(ies) attached?

☒ No ☐ Yes

## 3. Nature of Conveyance

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other:

Execution Date(s): January 30, 2004

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

Name: Arizona Board of Regents for and on Behalf  
Of Arizona State University

Internal Address:

Street Address: The Brickyard - Suite 609, 699 South  
Mill Avenue, Room 619AA

City: Tempe State/Providence: Arizona Zip: 85281

Country: USA

Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 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)

10/611,253

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Blakely, Sokoloff, Taylor &amp; Zafman LLP

Internal Address:

Street Address: 12400 Wilshire Boulevard, 7<sup>th</sup> Floor  
Los Angeles, California 90025

## 6. Total number of applications and patents involved: 1

## 7. Total Fee (37 CFR 3.41).....\$ 40.00

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit Account Number:

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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.

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Name of Person Signing

Signature

FEB. 5, 2004

Date

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PATENT  
REEL: 014958 FRAME: 0938

**ASSIGNMENT**

(For Execution After Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned, Martin W. Braun, Ph.D., Daniel E. Rivera, Ph.D. and Wenlin Wang, hereby sell, assign, and transfer to Arizona Board of Regents for and on behalf of Arizona State University, a corporation of Arizona, having a principal place of business at The Brickyard – Suite 601, 699 S. Mill Avenue, Room 691AA, Tempe, Arizona 85281 USA, ("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 was filed June 30, 2003 and assigned Application No. 10/611,253 and is entitled

**"MANAGING SUPPLY CHAINS WITH MODEL PREDICTIVE CONTROL"**

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.

Date: January 30<sup>th</sup>, 20 04

Martin W. Braun  
Name: Martin W. Braun, Ph.D.

Date: January 30, 20 04

Daniel E. Rivera  
Name: Daniel E. Rivera, Ph.D.

Date: January 30<sup>th</sup>, 20 04

Wenlin Wang  
Name: Wenlin Wang

State of: Arizona }

County of: Maricopa }

Assignment Document Return Address:  
SS. BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Blvd., Seventh Floor  
Los Angeles, California 90025-1026  
(408) 720-8598

On this 30 day of January, 20 04, before me, Julie Ehrlich,  
the undersigned Notary Public, personally appeared \_\_\_\_\_

☐ personally known to me ☒ proved to me on the basis of satisfactory evidence to  
be the person(s) whose name(s) subscribed to the within instrument, and  
acknowledged that executed it.  
WITNESS my hand and official seal.

Julie Ehrlich  
Notary's Signature

