

11/579711

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U.S. Department of COMMERCE  
United States Patent and Trademark Office

ER SHEET

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HDP Docket No. 6550-000094/POA  
Express Mail Label No. EV 717 344 962 US  
(9/27/2005)

To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of conveying party(ies)/Execution Date(s):

Ronald C. Averill  
Ran Mohan Jit Singh Sidhu  
Praveen HalepataliExecution Date(s) September 9, 2005Additional name of conveying party(ies) attached? ☐ Yes ☒ No

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

Name: Board of Trustees of Michigan State University

Internal Address: \_\_\_\_\_

Street Address: 246 Administration BuildingCity: East LansingState: MichiganCountry: USA Zip: 48824Additional Name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger
- ☐ Security Agreement ☐ Change of Name
- ☐ Government Interest Assignment
- ☐ Executive Order 9424, Confirmatory License
- ☐ Other \_\_\_\_\_

## 4. Application number(s) or patent number(s):

A. Patent Application No.(s)  
PCT/US2005/016263☐ This document is being filed together with a new application.

B. Patent No.(s)

11/579711

Additional numbers attached? ☐ Yes ☒ No

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

Name: Monte L. FalcoffInternal Address: Harness, Dickey & Pierce, P.L.C.Street Address: P.O. Box 828City: Bloomfield HillsState: MI Zip: 48303Phone Number: 248-641-1600Fax Number: 248-641-0270Email Address: docketingtm@hdp.com6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☐ Authorized to be charged by credit card
- ☐ Authorized to be charged to deposit account
- ☒ Enclosed
- ☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_b. Deposit Account Number 08-0750Authorized User Name Monte L. Falcoff

## 9. Signature :

September 27, 2005

Monte L. Falcoff

Signature

Date

Total number of pages including cover  
sheet, attachments, and documents ☐

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

PATENT

REEL: 018599 FRAME: 0760

# ASSIGNMENT

Atty. Docket No. 6550-094/POA

The undersigned, hereinafter referred to collectively as Assignor, has an interest in the invention entitled:

## DESIGN OPTIMIZATION SYSTEM AND METHOD

which is the subject of a United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration and Power of Attorney);
- (b) ☐ executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_;
- (c) ☒ filed on May 9, 2005, and assigned Serial No. \_\_\_\_\_ or PCT International Application No. PCT/US2005/016263;
- (d) ☐ U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_, and  
☐ presently assigned as evidenced at Reel \_\_\_\_\_, Frame \_\_\_\_\_; or
- (e) ☐ entitled above and naming the undersigned inventors in this provisional patent application; and

Board of Trustees of Michigan State University, having a place of business at 246 Administration Building, East Lansing, Michigan 48824, hereinafter referred to as Assignee, is desirous of acquiring Assignor's interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor by these presents does sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and all foreign countries, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the said invention as described in the aforesaid application, said application for patent and all Letters Patent therefor to be held and enjoyed by Assignee to the full end of the term for which said Letters Patent are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to recover for past infringements of, or liabilities for, any of the rights relating to any of said applications or patents resulting therefrom;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale or agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue said Letters Patent, Utility Model Registration or Inventor's Certificate to Assignee.

Assignor hereby authorizes an attorney authorized to prosecute this patent application to insert here in parentheses (Application No. \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

# ASSIGNMENT

International PCT Serial No. PCT/US2005/016263  
Docket No. 6550-094/POA

Ronald C. Averill  
Ronald C. AVERILL  
9/9/05  
Dated

Ran Mohan Jit Singh SIDHU  
Ran Mohan Jit Singh SIDHU  
9/9/05  
Dated

Praveen HALEPATALI  
  
Dated

Hanna E. Buzqueiro 9/9/05  
First Witness Dated  
Larry Sidhu 9/9/05  
Second Witness Dated

Hanna E. Buzqueiro 9/9/05  
First Witness Dated  
Ronald C. Averill 9/9/05  
Second Witness Dated

First Witness Dated  
Second Witness Dated

## ASSIGNMENT

International PCT Serial No. PCT/US2005/016263  
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\_\_\_\_\_  
Ronald C. AVERILL

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Dated

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First Witness

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Dated

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Second Witness

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Dated

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Ran Mohan Jit Singh SIDHU

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Dated

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First Witness

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Dated

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Second Witness

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Dated

  
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Praveen HALPATALI

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Dated

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First Witness

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Dated

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Second Witness

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Dated