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

**1. Name of conveying party(ies)**

Chris Cho-Pin Li, Connie Chui-Jun  
Lau, Christine Marie Cruz, Yu-Jih  
Liu, and Chang-June Yoon

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) 09/13/2005

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

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

Name: ITT Manufacturing Enterprises, Inc.

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

Street Address: 1105 North Market Street  
Suite 1217

City: Wilmington

State: Delaware

Country: U.S.A. Zip: 19801

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

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

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

**5. Name and address to whom correspondence concerning document should be mailed:**

Name: Edell, Shapiro & Finnan, LLC

Internal Address: Suite 400

Street Address: 1901 Research Blvd.

City: Rockville

State: MD Zip: 20850

Phone Number: 301/424-3640

Fax Number: 301/762-4056

Email Address: sbs@usiplaw.com

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

**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- ☐ 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 \_\_\_\_\_  
Authorized User Name \_\_\_\_\_

**9. Signature:**

Stuart B. Shapiro

Signature

09/19/2005  
Date

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
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**PATENT**  
**REEL: 017008 FRAME: 0870**

# ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, We, Chris Cho-Pin Li, Connie Chui-Jun Lau, Christine Marie Cruz, Yu-Jih Liu, and Chang-June Yoon hereby sell, assign and transfer to ITT Manufacturing Enterprises, Inc., a corporation duly organized and existing under the laws of the state of Delaware and having a place of business at 1105 North Market Street, Suite 1217, Wilmington, Delaware, 19801, as assignee, and its successors assigns and legal representatives, the entire right, title and interest, for all countries, in and to certain inventions relating to **"Network Modeling System and Method of Simulating Network Operation with Configurable Node Models"** described in an application for Letters Patent of the United States, executed by us of even date herewith, and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from me/us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have full right to convey the same as herein expressed.

Signed at ITT A/CD, Clifton NJ this Thirteenth day of September, 2005.

Chris Cho-Pin Li  
Chris Cho-Pin Li  
Christine Marie Cruz  
Christine Marie Cruz  
Chang-June Yoon  
Chang-June Yoon

Connie Chui-Jun Lau  
Connie Chui-Jun Lau  
Yu-Jih Liu  
Yu-Jih Liu

SIGNED IN OUR PRESENCE AND ACKNOWLEDGED TO BE AN ASSIGNMENT OF THE APPLICATION/INVENTION HEREINABOVE REFERRED TO:

WITNESS [Signature]

DATE 9-13-05

WITNESS [Signature]

DATE 9/13/05

WITNESS \_\_\_\_\_

DATE \_\_\_\_\_