

10-08-2004



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17548 U.S. PTO  
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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

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☒ Assignment  
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**Conveying Party(ies)**

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Execution Date  
Month Day Year

Name (line 1) **Yu-Jih Liu**  
Name (line 2)

09/29/2004

**Second Party**

\* Name (line 1) **Jon William Schnabel**  
Name (line 2)

Execution Date  
Month Day Year  
09/29/2004

**Receiving Party**

☐ Mark if additional names of receiving parties attached

Name (line 1) **ITT Manufacturing Enterprises, Inc.**  
Name (line 2)   
Address (line 1) **1105 North Market Street**  
Address (line 2) **Suite 1217**  
Address (line 3) **Wilmington** **Delaware** **19801**  
City State/Country Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Name   
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Address (line 4)

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**Correspondent Name and Address**

**Area Code and Telephone Number**

**(301) 424-3640**

**Name** **Edell, Shapiro & Finnan, LLC**

**Address (line 1)** **1901 Research Boulevard**

**Address (line 2)** **Suite 400**

**Address (line 3)**

**Address (line 4)** **Rockville, MD 20850**

**Pages**

**Enter total number of pages of the attached conveyance document including any attachments.**

**# 1**

**Application Number(s) or Patent Number(s)**

☐

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*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).*

**Patent Application Number(s)**

**Patent Number(s)**



**If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.**

**Month Day Year**  
**09 29 2004**

**Patent Cooperation Treaty (PCT)**

**Enter PCT application number only if a U.S. Application Number has not been assigned.**

**PCT**

**PCT**

**PCT**

**PCT**

**PCT**

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**Number of Properties**

**Enter the total number of properties involved.**

**# 1**

**Fee Amount**

**Fee Amount for Properties Listed (37 CFR 3.41):**

**\$ 40.00**

**Method of Payment:**  
**Deposit Account**

**Enclosed**

☒

**Deposit Account**

☐

**(Enter for payment by deposit account or if additional fees can be charged to the account.)**

**Deposit Account Number:**

**# 05-0460**

**Authorization to charge additional fees:**

**Yes**

☒

**No**

☐

**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. Charges to deposit account are authorized, as indicated herein.*

**Stuart B. Shapiro**

**Name of Person Signing**

*Stuart B. Shapiro*

**Signature**

**09/30/2004**

**Date**

## ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, We, Yu-Jih Liu and Jon William Schnabel 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 "Method and Apparatus for Multicast Packet Distribution in a Satellite Constellation Network", executed by me 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.

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 we have full right to convey the same as herein expressed.

Yu-Jih Liu  
Yu-Jih Liu

DATE 9/29/2004

Jon W. Schnabel  
Jon William Schnabel

DATE 9/29/04

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

WITNESS [Signature]

DATE 9/29/04

WITNESS [Signature]

DATE 9-29-04