

FORM 1595

09-13-2002  
102220329U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

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

Ananth MADHAVAN  
Artem V. ASRIEV

09 09 02

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

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

NAME: ITG, Inc.

ADDRESS: 380 Madison Avenue  
4th Floor  
New York, New York 10017Additional name(s) & addresses(es) attached?  
☐ Yes ☒ No

## 3. Name of Conveyance:

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

Execution/Effective Date: 8/21/02 &amp; 8/22/02, respectively

## 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)

10/166,719

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence  
concerning document should be mailed:Name:  
Internal Address: Rothwell, Figg, Ernst & Manbeck  
Suite 800  
Street Address: 1425 K St., N.W.  
City: Washington,  
State: D.C. Zip: 20005  
Telephone No.: 202/783-6040  
Facsimile No.: 202/783-6031

Attorney Docket No.: 2566-121

6. Total number of applications  
and patents involved: \_\_\_\_\_

1

## 7. Total fee (37 CFR 3.41): . . . \$ 40

☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number: 02-2135

Attach duplicate copy of this page if paying by  
deposit account

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## 9. 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.*

Vincent M. DeLuca

Name of Person Signing

Vincent M. DeLuca 9 SEP 02

Signature

Date

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

09/12/2002 LNUELLER 00000181 10166719

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PATENT  
REEL: 013272 FRAME: 0146

# ASSIGNMENT

**WHEREAS**, WE, Ananth MADHAVAN, a citizen of the United States, residing at 45 W. 60th Street, #30A, New York, New York 10023 and Artem V. ASRIEV, a citizen of the United States, residing at 7 James Street, Winchester, Massachusetts 01890, are the inventors of an invention in SYSTEM AND METHOD FOR ESTIMATING AND OPTIMIZING TRANSACTION COSTS for which we have executed an application for Letters Patent of the United States, Serial No. 10/166,719, filed June 12, 2002; and

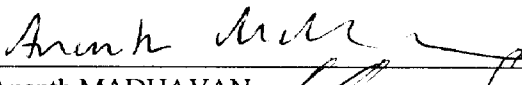
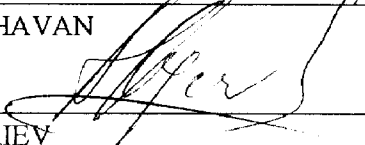
**WHEREAS**, ITG, Inc., incorporated in the state of Delaware, with a place of business at 380 Madison Avenue, 4th Floor, New York, New York 10017 is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

**NOW, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we the said Ananth MADHAVAN and Artem V. ASRIEV have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ITG, Inc., its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said ITG, Inc., its successors, legal representatives and assigns, in accordance with the terms of this instrument.

**AND WE HEREBY** covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

**AND WE HEREBY** further covenant and agree that we will communicate to said ITG, Inc., its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ITG, Inc., its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

**IN TESTIMONY WHEREOF**, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date	<u>8-21-02</u>	2002		L.S.
			Ananth MADHAVAN	
Date	<u>8-22-02</u>	2002		L.S.
			Artem V. ASRIEV	