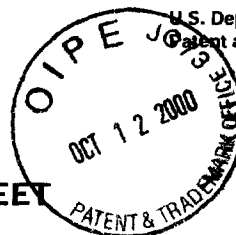


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| Name | Execution Date Month Day Year |
|------------------------------------|----------------------------------|
| Name (line 1) Chandrashekhar Bhide | 10 02 2000 |
| Name (line 2) | |

Second Party

| Name | Execution Date Month Day Year |
|---------------|----------------------------------|
| Name (line 1) | |
| Name (line 2) | |

Receiving Party

☐ **Mark if additional names of receiving parties attached**

| | | | |
|------------------|------------------------------------|---------------|----------|
| Name (line 1) | Visual Networks Technologies, Inc. | | |
| Name (line 2) | | | |
| Address (line 1) | 2092 Gaither Road | | |
| Address (line 2) | Suite 200 | | |
| Address (line 3) | Rockville | Maryland | 20850 |
| | 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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**PATENT
REEL: 011252 FRAME: 0679**

Correspondent Name and Address

Area Code and Telephone Number 301-424-3640

Name Patrick J. Finnan

Address (line 1) EPSTEIN, EDELL, SHAPIRO & FINNAN, LLC

Address (line 2) 1901 Research Boulevard

Address (line 3) Suite 400

Address (line 4) Rockville, Maryland 20850

Pages

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

2

Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

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

Patent Application Number(s)

09/605,680

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

Patent Cooperation Treaty (PCT)

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

PCT PCT PCT
PCT PCT PCT

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:

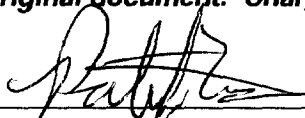
Yes ☒ No ☐

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.

Patrick J. Finnan

Name of Person Signing



Signature

10/11/00

Date

ASSIGNMENT

WHEREAS, I, Chandrashekhar Bhide, residing at 3211 Stockton Place, Palo Alto, California 94303, have invented certain new and useful improvements in Method of Identifying Information Within a Character String, for which a patent application for United States Letters Patent

_____ is attached hereto, assigned attorney docket number _____
X was filed on June 28, 2000 as United States Application Serial No. 09/605,680.

WHEREAS, Visual Networks Technologies, Inc., a corporation of State of Maryland, having a place of business at 2092 Gaither Road, Suite 200, Rockville, Maryland 20850, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) in hand paid and other valuable consideration, the receipt whereof is hereby acknowledged, I have sold, assigned and transferred, and by these presents do sell, assign and transfer unto Visual Networks Technologies, Inc. the full and exclusive right to said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted thereon in the United States and its territorial possessions and in any and all foreign countries, and in and to any and all non-provisional applications, divisions, reissues, continuations and extensions thereof pertaining to said invention.

I hereby authorize and request the Patent and Trademark Office officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said Visual Networks Technologies, Inc., as the assignee of the entire interest in and to the same, for the sole use and behalf of Visual Networks Technologies, Inc., its successors and assigns.

FURTHER, I agree that I will communicate to Visual Networks Technologies, Inc. , or its representatives, any facts known to me respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all non-provisional, divisional, continuation, substitution, renewal and reissue applications pertaining to said invention, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to Visual Networks Technologies, Inc., make all rightful oaths and generally do everything possible to aid Visual Networks Technologies, Inc., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

October 2, 00
Date

Ch. Bhide
Chandrashekhar BHIDE

On this 2nd day of Oct., 2000, personally appeared before me the above named Chandrashekhar BHIDE to me known and known to me to be the person described in, and who executed, the foregoing instrument and acknowledged the same to be his free act and deed in and for the purposes set forth in said instrument.

Soo Yun Kim
NOTARY PUBLIC
My Commission Expires: 11-19-2003

