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Docket No. AUS920030417US1

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6-26-03



To the Commissioner for Patents: Pl.

102495178

or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>(1) DWIP N. BANERJEE (2) VINIT JAIN (3) VASU VALLABHANENI (4) VENKAT VENKATSUBRA</p> <p>Additional name(s) of conveying party(ies) attached? ___ Yes <u>x</u> No</p>	<p>Execution Date:</p> <p><u>June 30, 2003</u> <u>June 30, 2003</u> <u>June 30, 2003</u> <u>June 30, 2003</u></p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">19972 U.S. PTO 10/607460 06/26/03</p>
<p>2. Name and address of receiving party(ies):</p> <p>International Business Machines Corporation New Orchard Road Armonk, New York 10504</p>	<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment ___ Merger ___ Security Agreement ___ Change of Name ___ Other _____</p>

4. Application number(s) or patent number(s): 10,607460

If this document is being filed together with a new application, the execution date of the application is:

(1) June 30, 2003 (2) June 30, 2003 (3) June 30, 2003 (4) June 30, 2003

A. Patent Application No.(s) _____ B. Patent No.(s) _____

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

Leslie A. Van Leeuwen
IBM Corporation
Intellectual Property Law
11400 Burnet Road
Austin, TX 78758
(512) 823-6746

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00
___ Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:

09-0447

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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.

Leslie A. Van Leeuwen Leslie A. Van Leeuwen
Name of Person Signing Signature

6/23/03
Date

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Total number of pages including cover sheet: 3

PATENT
REEL: 014246 FRAME: 0972

A S S I G N M E N T

Whereas, we,

(1) Dwip N. Banerjee of Austin
County of Travis and State of Texas

and

(2) Vinit Jain of Austin
County of Williamson and State of Texas

and

(3) Vasu Vallabhaneni of Austin
County of Travis and State of Texas

and

(4) Venkat Venkatsubra of Austin
County of Williamson and State of Texas

have invented certain improvements in

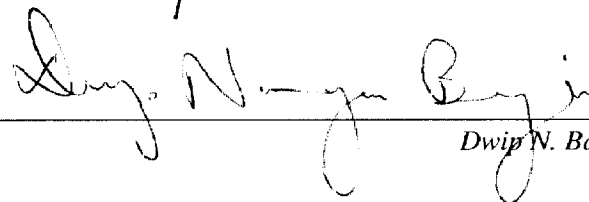
METHOD AND APPARATUS FOR MANAGING KEEPALIVE TRANSMISSIONS

and executed, respectively, a United States patent application therefore on
(Dates Inventors Signed Declaration) (1) 06/20, 2003,
(2) 06/20/, 2003, (3) 06/20/, 2003, and
(4) 06/20, 2003.

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504, (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefore;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to IBM, its successors and assigns; and we hereby agree that IBM may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

(1) Signed at AUSTIN on 06/20, 2003.



Dwip N. Banerjee

and (2) Signed at AUSTIN on 06/20/, 2003.

Vinit Jain
Vinit Jain

and (3) Signed at Austin on 06/20/, 2003.

V Vasu
Vasu Vallabhaneni

and (4) Signed at Austin on 06/20, 2003.

Venkat Venkatsubra
Venkat Venkatsubra