

EXHIBIT

1004



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir/Madam:

Transmitted herewith for filing is the patent application of Datta, et al. for TOOLS AND TECHNIQUES FOR DIRECTING PACKETS OVER DISPARATE NETWORKS comprising 44 pages of specification and claims.

- This continuation application claims priority to U.S. application no. 10/361,837 filed February 7, 2003.

Enclosed also are:

- 6 sheet(s) of drawings.
- Applicant claims small entity status under 37 CFR 1.9(b) & 1.27(c).
- Copy of executed Assignment filed in prior application, with cover sheet, from the inventors to Ragula Systems (FatPipe Networks).
- Copy of executed Declaration and Petition filed in prior application.
- Copy of executed Power of Attorney filed in prior application.
- A Preliminary Amendment is enclosed.
- Nonpublication Request Under 35 USC 122(b)(2)(B)(i).
- A Certificate of Mailing by "Express Mail" certifying a filing date of August 3, 2004, by use of Express Mail Label No. EV 389082077 US.
- Information Disclosure Statement under 37 C.F.R. § 1.97, PTO Form-1449 with listed references attached (if indicated as being attached by the Information Disclosure Statement).

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17157 U.S. PTO
080304

16834 U.S. PTO
10/911846
080304

The filing fee has been calculated as shown below.

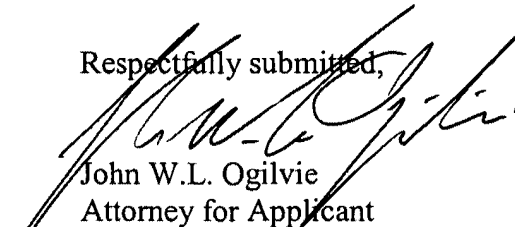
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			RATE	FEE	RATE	FEE
BASIC FEE			\$385.00	\$385.00	\$ 770.00	
TOT. CLAIMS	11-20=	0	x \$9.00 =		x \$18.00 =	
IND. CLAIMS	9-03=	6	x \$43.00 =	\$ 258.00	x \$86.00 =	
MULTIPLE DEPENDENT CLAIMS PRESENTED		0	\$145.00		\$290.00	
ASSIGNMENT RECORDATION FEE			\$40.00		\$40.00	
			TOTAL	\$ 643.00	TOTAL	

A check in the amount of \$ 643.00 is enclosed to cover the filing fee.

The Commissioner is hereby authorized to charge any additional fees associated with this communication or to credit any overpayment to Deposit Account No. 20-0100. Please address all future correspondence in connection with the above-identified patent application to the attention of the undersigned.

Dated this 3rd day of August, 2004.


Respectfully submitted,



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Enclosures

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PATENT APPLICATION
DOCKET NO. 3003.2.11A

UNITED STATES
PATENT APPLICATION

OF

SANCHAITA DATTA AND RAGULA BHASKAR

FOR

TOOLS AND TECHNIQUES FOR
DIRECTING PACKETS OVER DISPARATE NETWORKS

TOOLS AND TECHNIQUES FOR DIRECTING PACKETS OVER DISPARATE NETWORKS

RELATED APPLICATIONS

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This application claims priority to commonly owned copending U.S. provisional patent application serial no. 60/355,509 filed February 8, 2002, which is also incorporated herein by reference. This application is a continuation-in-part of U.S. patent application serial no. 10/034,197 filed December 28, 2001, which claims priority to U.S. provisional
10 patent application serial no. 60/259,269 filed December 29, 2000, each of which is also incorporated herein by reference.

FIELD OF THE INVENTION

The present invention relates to computer network data transmission, and more
15 particularly relates to tools and techniques for communications using disparate parallel networks, such as a virtual private network ("VPN") or the Internet in parallel with a point-to-point, leased line, or frame relay network, in order to help provide benefits such as load balancing across network connections, greater reliability, and increased security.

TECHNICAL BACKGROUND OF THE INVENTION

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Organizations have used frame relay networks and point-to-point leased line networks for interconnecting geographically dispersed offices or locations. These networks have been implemented in the past and are currently in use for interoffice communication, data exchange and file sharing. Such networks have advantages, some of
25 which are noted below. But these networks also tend to be expensive, and there are

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