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- (71) Applicant (for all designated States except US):  
RIVERBED TECHNOLOGY, INC. [US/US]; 501  
Second Street, Suite 410, San Francisco, California 94107  
(US).

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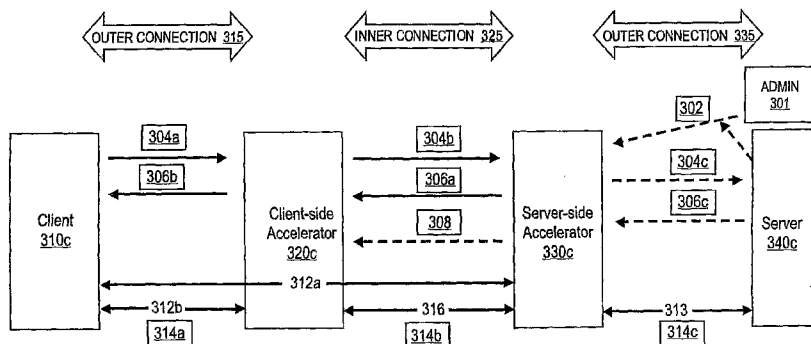
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DAY, Mark, Stuart [US/US]; 70 Cliff Road, Milton, Massachusetts 02186 (US). LARSEN, Case [US/US]; 2476 Spyglass Court, Union City, California 94587 (US). MERUGU, Shashidhar [IN/US]; 1600 Villa Street, Apt. 156, Mountain View, California 94041 (US).
- (74) Agents: HOLLANDER, Jonathan, M. et al.; Two Embarcadero Center, 8th Floor, San Francisco, California 94111 (US).
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(54) Title: SPLIT TERMINATION FOR SECURE COMMUNICATION PROTOCOLS



(57) Abstract: Transaction accelerators can be configured to terminate secure connections. A server-side accelerator intercepts a secure connection request from a client and directed to a server. The server-side accelerator responds to secure connection request in place of the server, thereby establishing a secure connection between the client and the server-side accelerator. Alternatively, the server-side accelerator monitors the establishment of a secure connection between the client and the server. After the secure connection has been established, the server-side accelerator forwards security information to a client-side accelerator, enabling the client-side accelerator to assume control of the secure connection. As a result of this arrangement, the client-side accelerator is able to encrypt and decrypt data on the secure connection and accelerate it in cooperation with the server-side accelerator. In a further embodiment, the accelerated traffic between accelerators is carried across the network via another secure connection.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC(8): G06F 15/16

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
709/228, 229; 710/105; 713/153

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

USPTO WEST (PGPB, USPT, EPAB, JPAB); DIALOG PRO (Engineering); Google Search  
Search Terms Used: Proxy pair, split proxy, accelerator, cache protocol, SSL and TLS, and network characteristics, proximity, WCCP, gateway, relay, security or cryptographic or encryption, intermediate, intercepting, transparent, transmitting,

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004/0243703 A1 (DEMME et al.) 12 August 2003 (12.08.2003), para [0013],[0052], and [0054]	1- 56
Y	US 2003/0014628 A1 (FREED et al.) 06 July 2001 (06.07.2001), para [0013] and [0052]	1-21, 51- 56
Y	US 2002/0163884 A1 (PELES et al.) 07 November 2002 (07.11.2002), para [0053]	14-18
Y	US 6,643,701 B1 (AZIZ et al.) 04 November 2003 (04.11.2003), entire document, especially col 5, lines 49-65, col 6, lines 29-45, col 8, ln 20-32	22-39, 50
Y	US 6,105,067 A (BATRA) 15 August 2000 (15.08.2000), col 12, ln 1-16	40-46
Y	US 2002/0016911 A1 (CHAWLA et al.) 07 February 2002 (07.02.2002), para [0018-0019]	47-49

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Authorized officer:

Lee W. Young

PCT Helpdesk: 571-272-4300  
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