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(54) **AGILE NETWORK PROTOCOL FOR SECURE COMMUNICATIONS USING SECURE DOMAIN NAMES**

(58) **Field of Classification Search** 709/226, 709/221; 713/201
See application file for complete search history.

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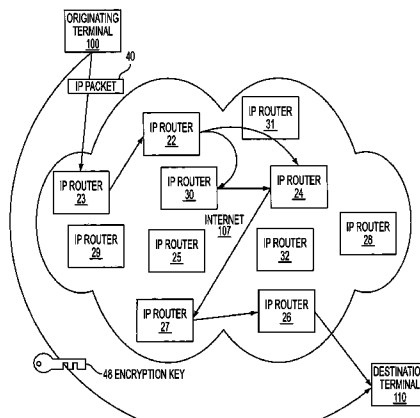
(57) **ABSTRACT**

A secure domain name service for a computer network is disclosed that includes a portal connected to a computer network, such as the Internet, and a domain name database connected to the computer network through the portal. The portal authenticates a query for a secure computer network address, and the domain name database stores secure computer network addresses for the computer network. Each secure computer network address is based on a non-standard top-level domain name, such as .scom, .sorg, .snet, .snet, .sedu, .smil and .sint.

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(52) **U.S. Cl.** **709/226**

60 Claims, 40 Drawing Sheets



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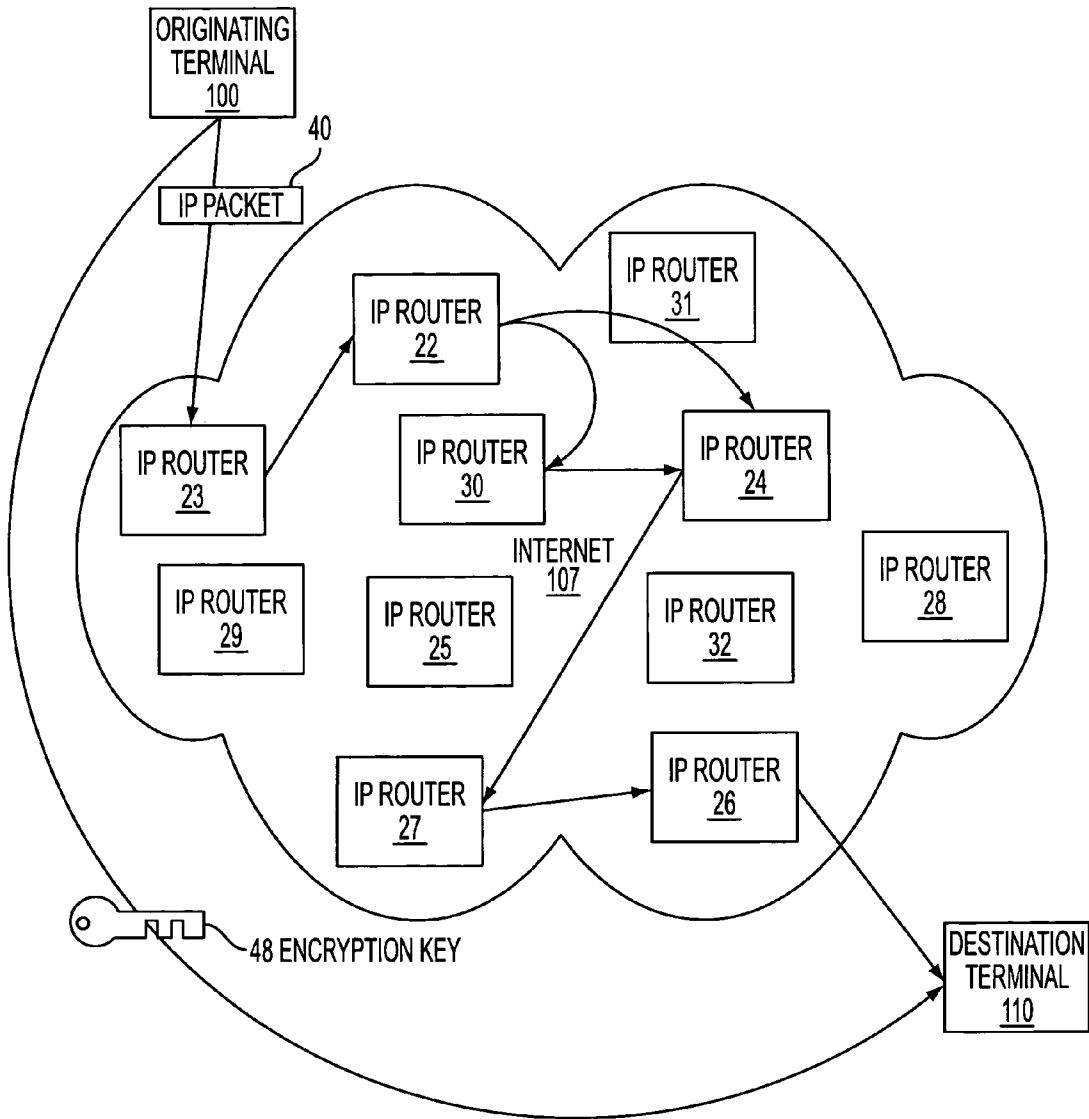


FIG. 1

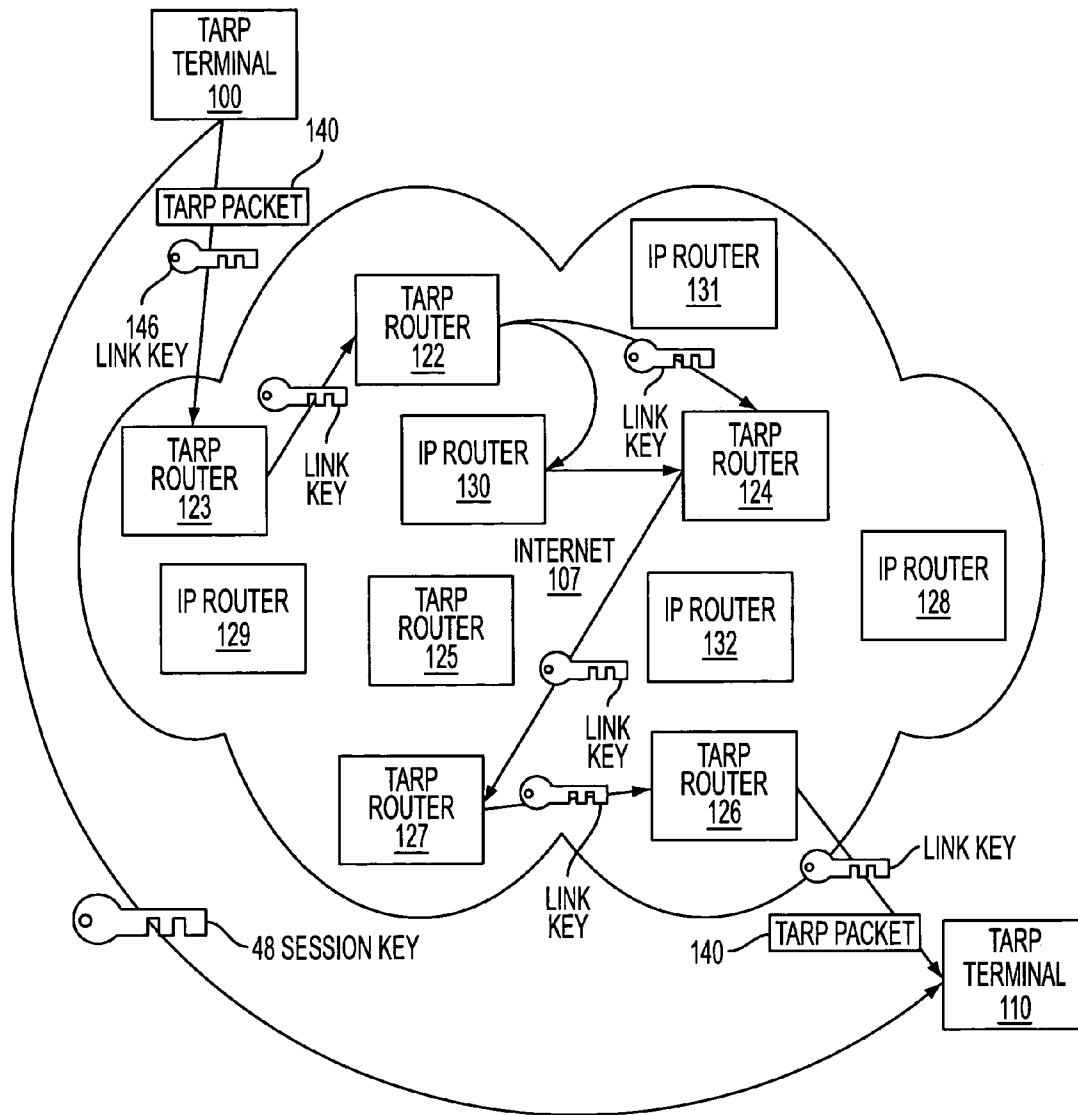


FIG. 2

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