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(12) **United States Patent**
Voit et al.

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(54) **AUTOMATIC CALLED PARTY LOCATOR OVER INTERNET WITH PROVISIONING**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **08/815,367**

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(22) Filed: **Mar. 11, 1997**

(74) Attorney, Agent, or Firm—McDermott, Will & Emery

Related U.S. Application Data

(57) **ABSTRACT**

(63) Continuation-in-part of application No. 08/811,714, filed on Mar. 6, 1997, which is a continuation-in-part of application No. 08/812,075, filed on Mar. 6, 1997.

A system and method using enhanced processing, responsive to domain name translation requests, to provide selective routing services through a public packet switched data network. The name processing applies to translation of a domain name into a group of Internet Protocol (IP) addresses and to providing routing information for a packet data network such as the Internet. Following name translation into a group of addresses communication is automatically established between a calling terminal and a terminal designated by one of the addresses and determined through processing which effects linkage with the first terminal to respond. The selective routing is particularly advantageous for processing of voice telephone communications through the Internet packet data network based on domain name translations. One or more domain names can be translated into a group of addresses which may include a mixture of Internet (IP) addresses and telephone number addresses, along with routing procedures with respect to the addresses. The system is designed to provide called party locator services offering a variety of options to the customer for the procedures to be followed. An important feature is a convenient and efficient provisioning method using an advanced intelligent network provided with one or more intelligent peripheral platforms.

(51) **Int. Cl.**⁷ **H04L 12/28**; H04L 12/56;
H04L 12/66

(52) **U.S. Cl.** **370/401**; 370/354; 370/467

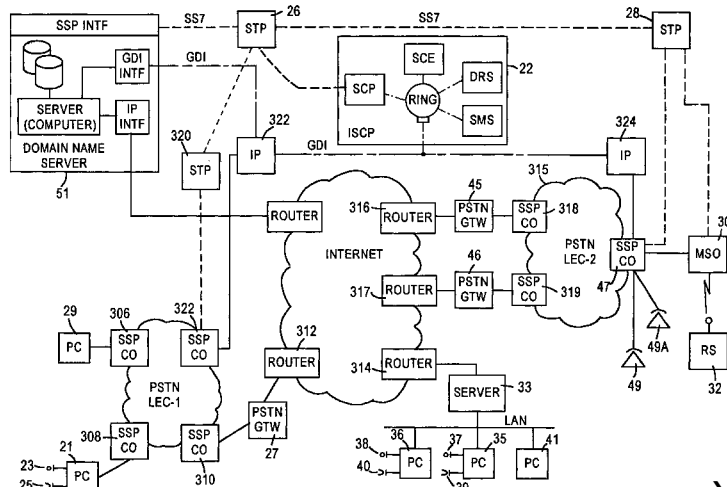
(58) **Field of Search** 370/352, 353,
370/354, 355, 356, 400, 401, 467; 379/58

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6 Claims, 16 Drawing Sheets



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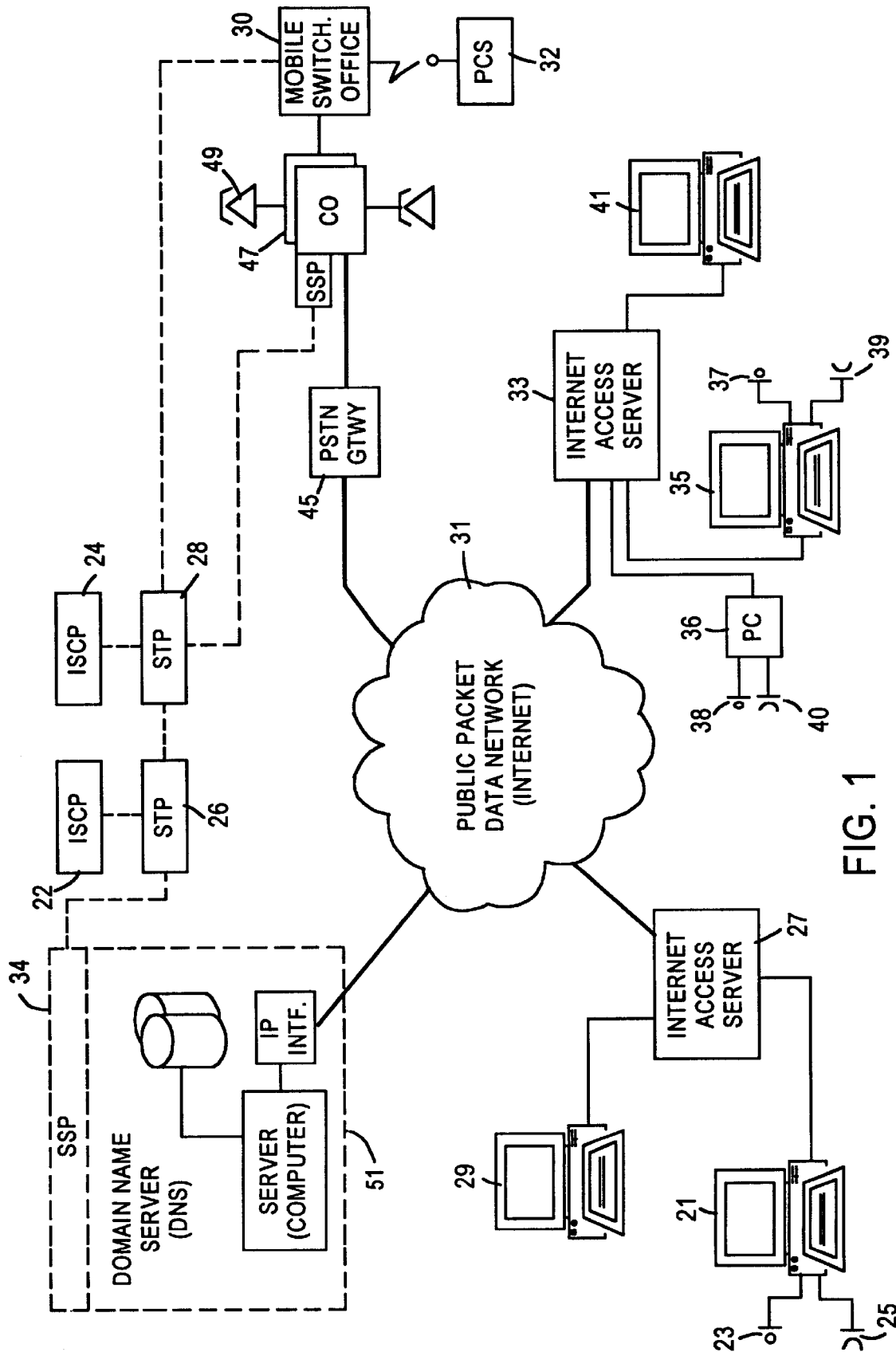


FIG. 1

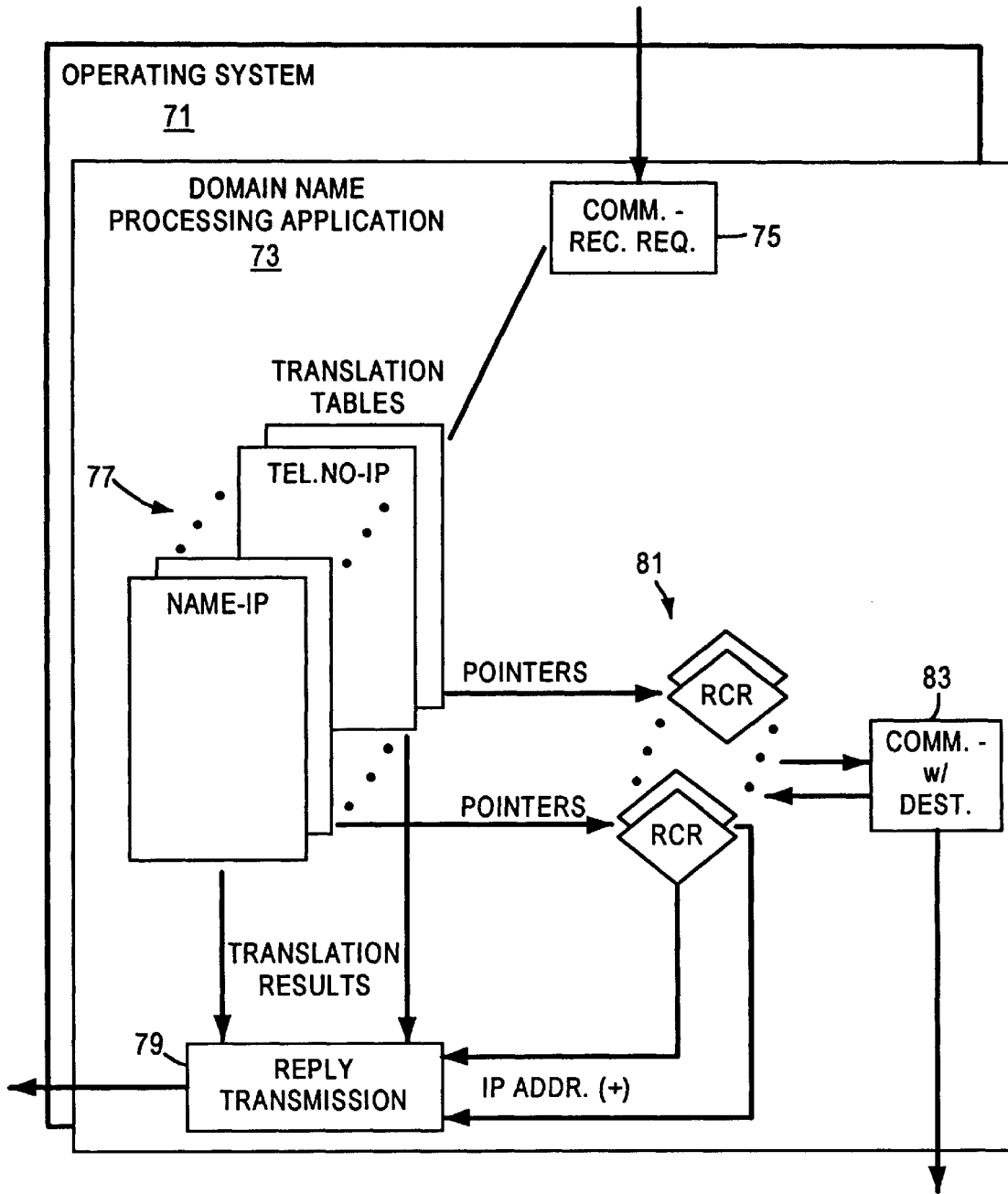


FIG. 2

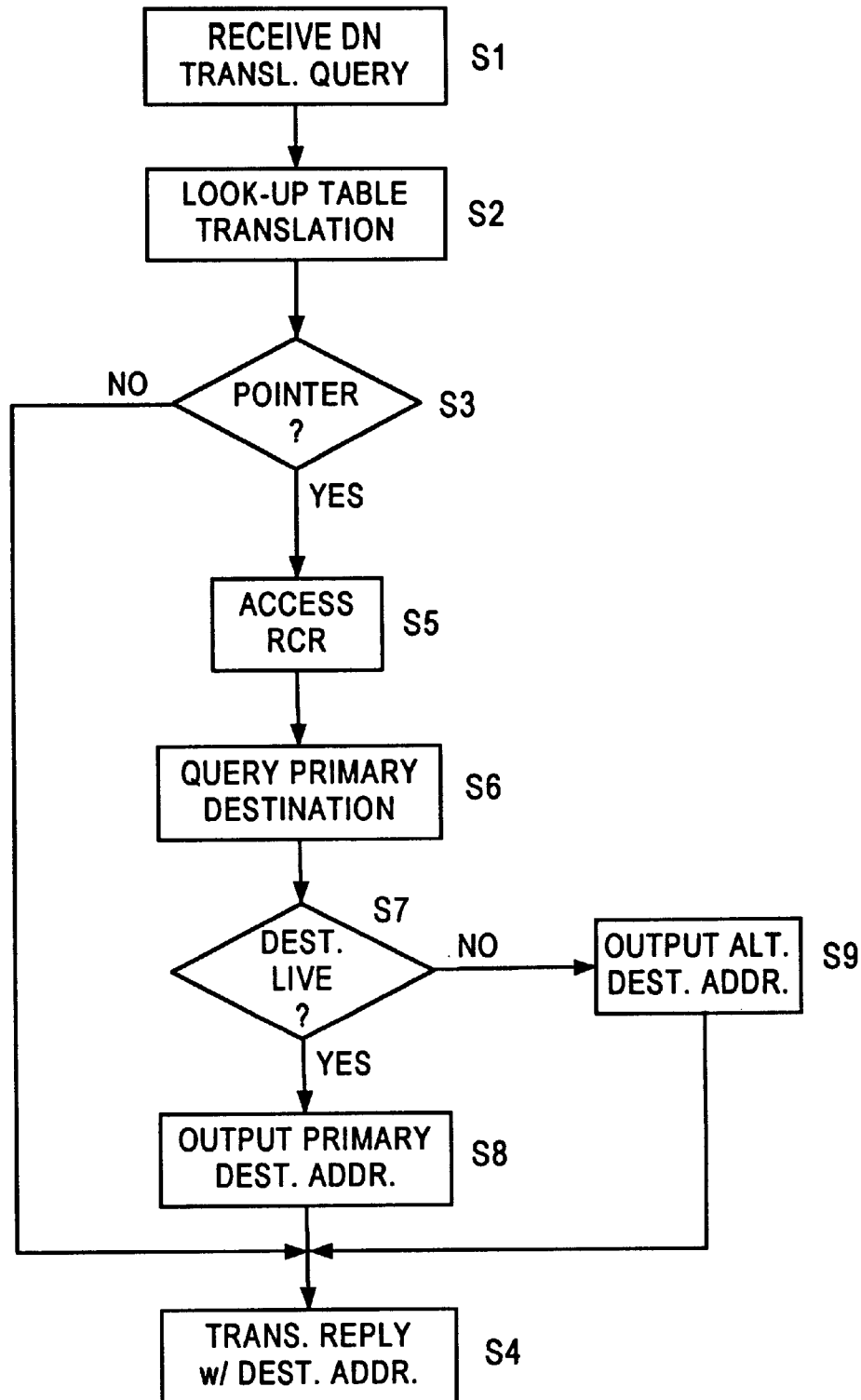


FIG. 3

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