



(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.

(List continued on next page.)

(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, respon-
sive to domain name translation requests, to provide selec-
tive 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 transla-
tion into a group of addresses communication is automati-
cally 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 con-
venient 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

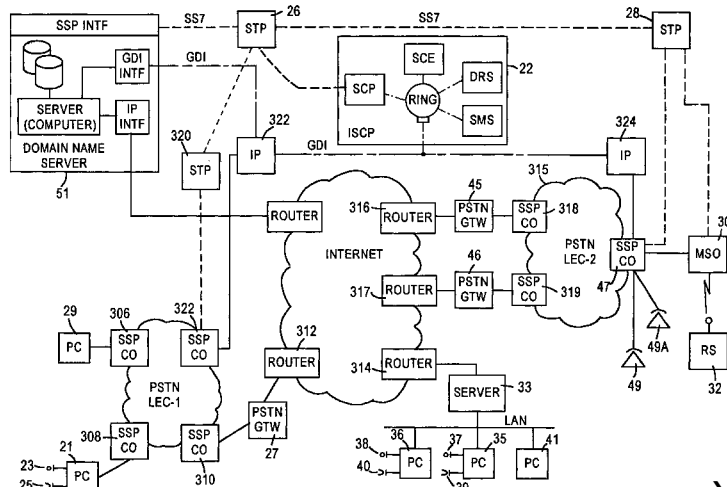
(58) **Field of Search** 370/352, 353,
370/354, 355, 356, 400, 401, 467; 379/58

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6 Claims, 16 Drawing Sheets



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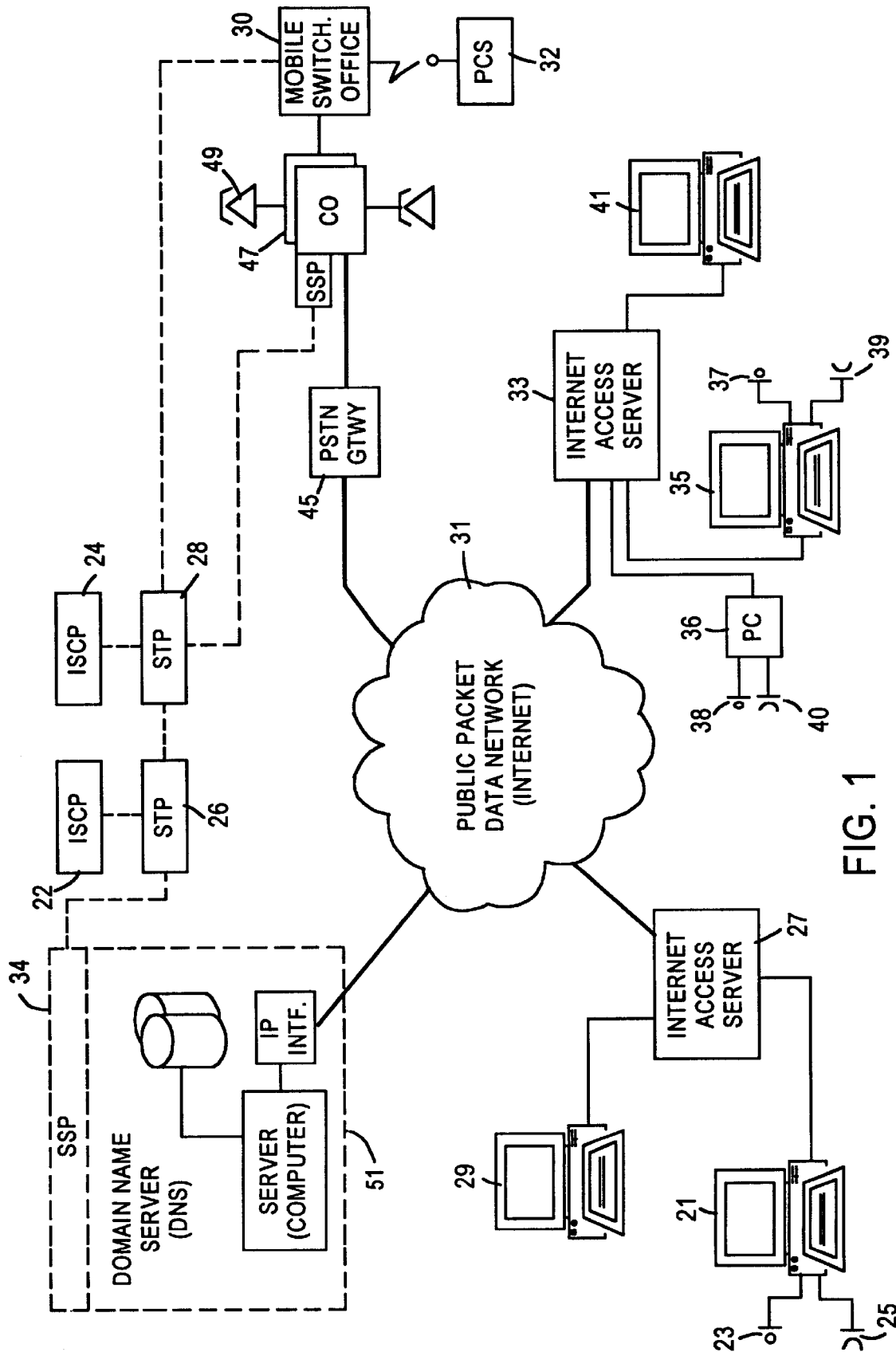


FIG. 1

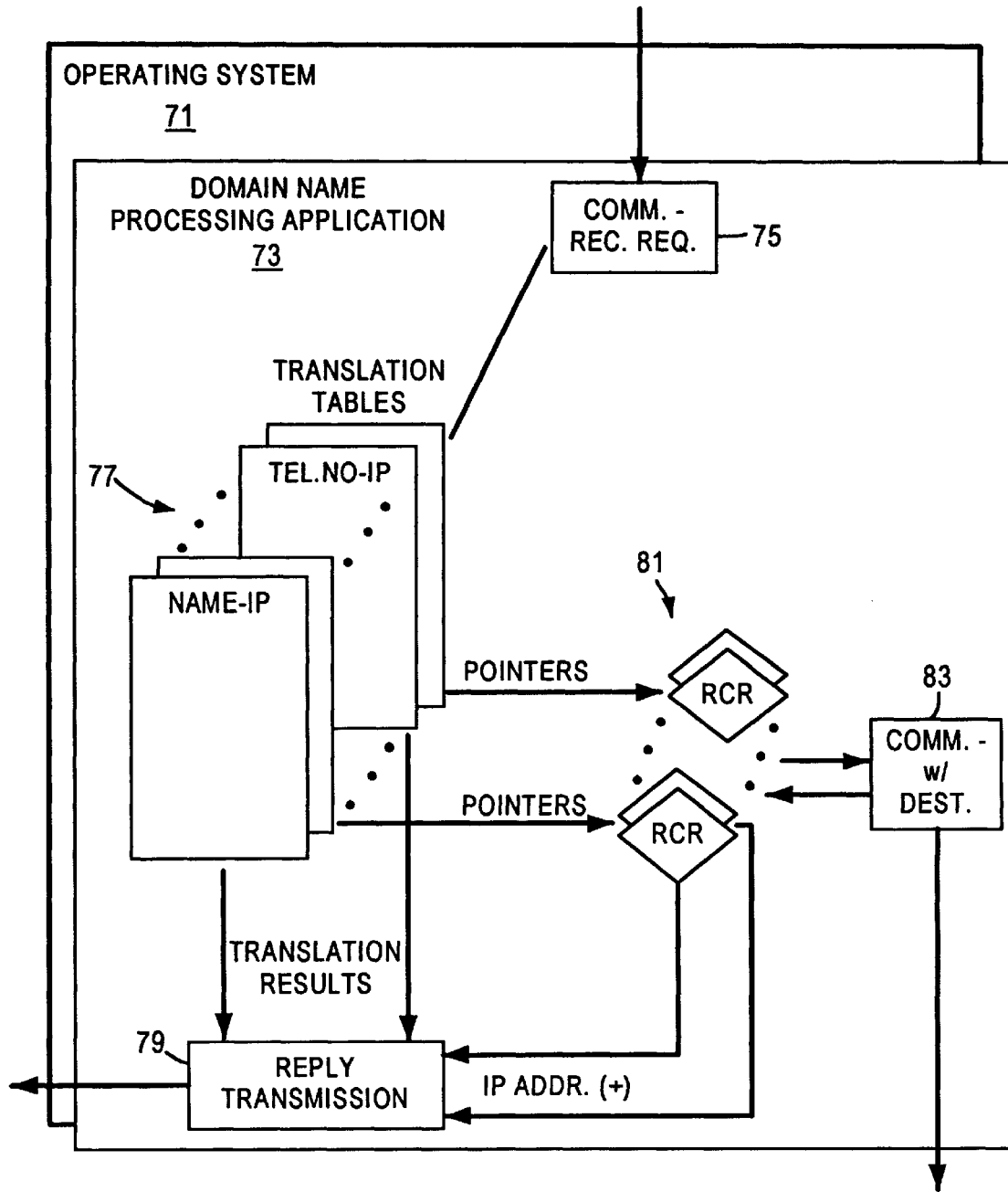


FIG. 2

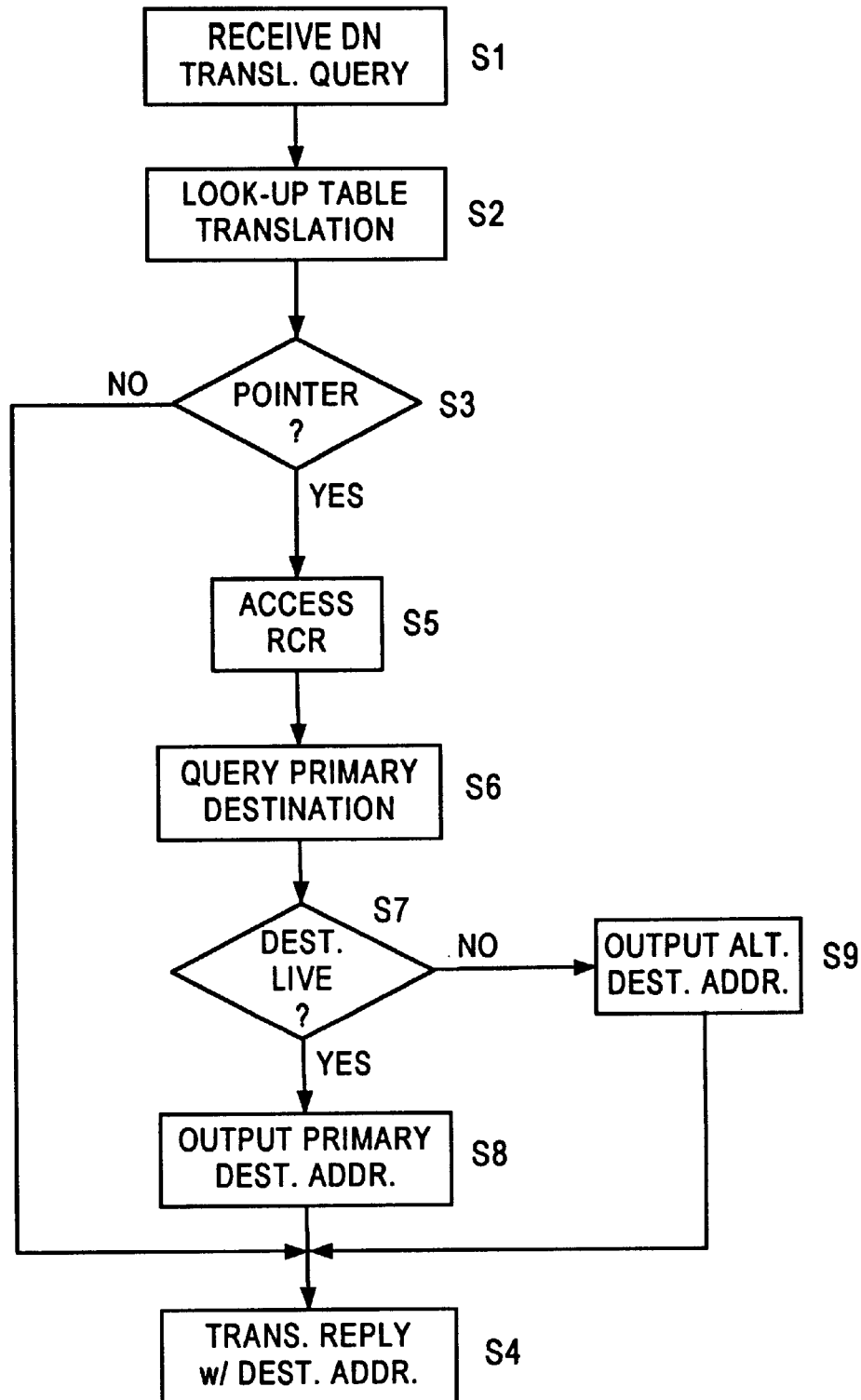


FIG. 3

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