

US007392300B2

(12) United States Patent

Anantharangachar et al.

(54) METHOD AND SYSTEM FOR MODELLING A COMMUNICATIONS NETWORK

(75) Inventors: Raghu Anantharangachar, Karnataka

(IN); Basanth Chigatrei Marikenchana Gowda, Karnataka (IN); Arun Rao

Poghul, Karnataka (IN)

(73) Assignee: Hewlett-Packard Development

Company, L.P., Houston, TX (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 730 days.

(21) Appl. No.: 10/753,841

(22) Filed: Jan. 8, 2004

(65) Prior Publication Data

US 2005/0154571 A1 Jul. 14, 2005

(51) **Int. Cl.**

G06F 15/177 (2006.01)

(52) **U.S. Cl.** 709/220; 703/13; 370/254

(56) References Cited

U.S. PATENT DOCUMENTS

5,963,943 A	* 10/1999	Cummins et al 707/10
2001/0011215 A1	8/2001	Beeker et al.
2002/0021675 A1	* 2/2002	Feldmann 370/254

(10) Patent No.: US 7,392,300 B2 (45) Date of Patent: Jun. 24, 2008

2003/0055883 A1* 3/2003 2003/0161266 A1 8/2003 2004/0030778 A1* 2/2004 2005/0060647 A1* 3/2005 2005/0226167 A1* 10/2005	Courtney 709/220 Wiles, Jr. 709/203 Baccelli et al. 709/224 Kronenberg et al. 715/514 Braun et al. 370/254 Mayer 709/223
---	--

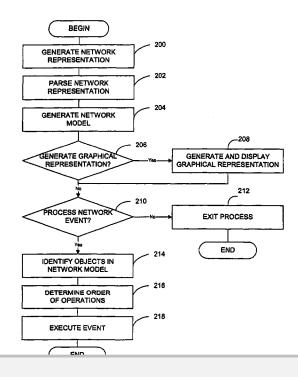
* cited by examiner

Primary Examiner—Abdullahi Salad

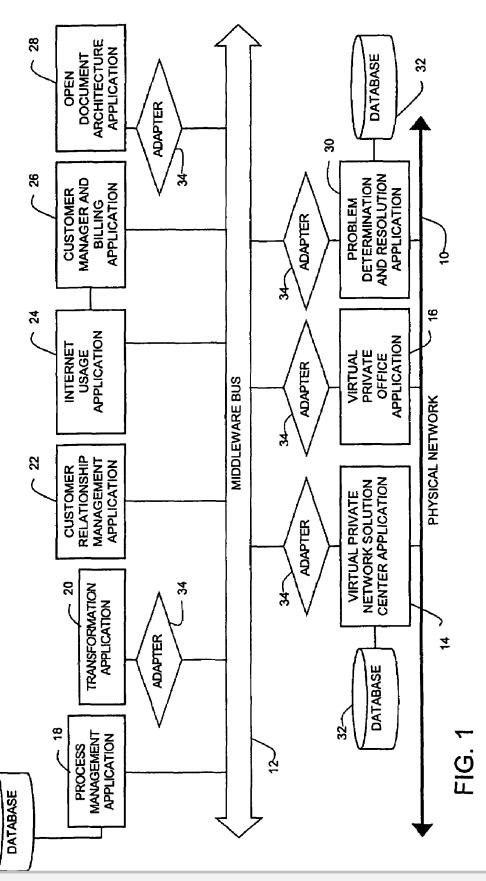
(57) ABSTRACT

A system and method of modelling a communications network using a computer system is disclosed, the method including generating a network representation using computer-readable code that represents structured information; parsing the network representation; generating a network model using the parsed network representation, the network model including a plurality of network objects and relationships between the plurality of network objects; and storing the network model in memory. Any type of network may be modeled. The computer-readable code may be any suitable language or instructions for representing structured information such as, for example, extensible mark-up language (XML). A network inventory adapter receives the network representation from the network. The network inventory adapter is a software component that may be used to connect applications to the network. The network inventory adapter receives the network representation from the network and reads and parses the network representation to determine which network objects are to be operated on and the order of operation.

24 Claims, 5 Drawing Sheets

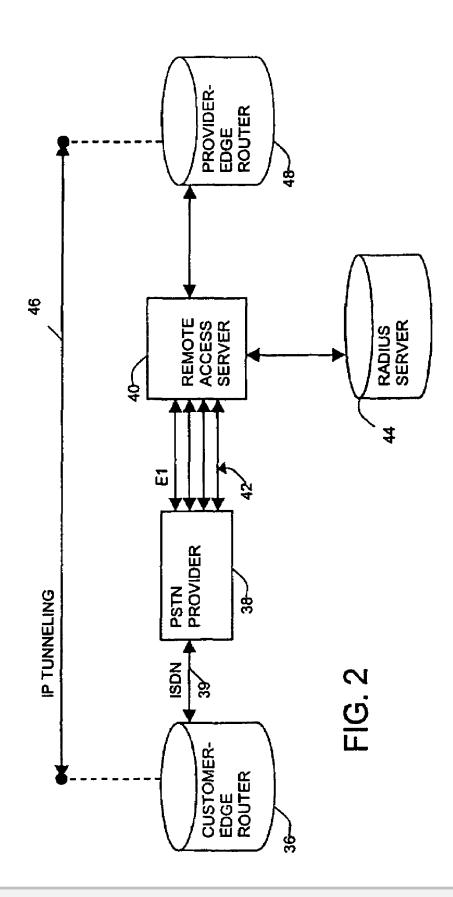




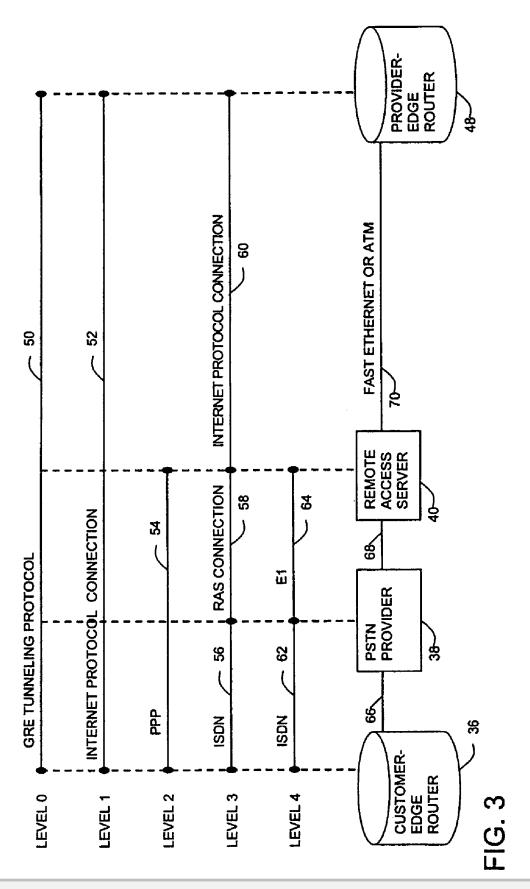




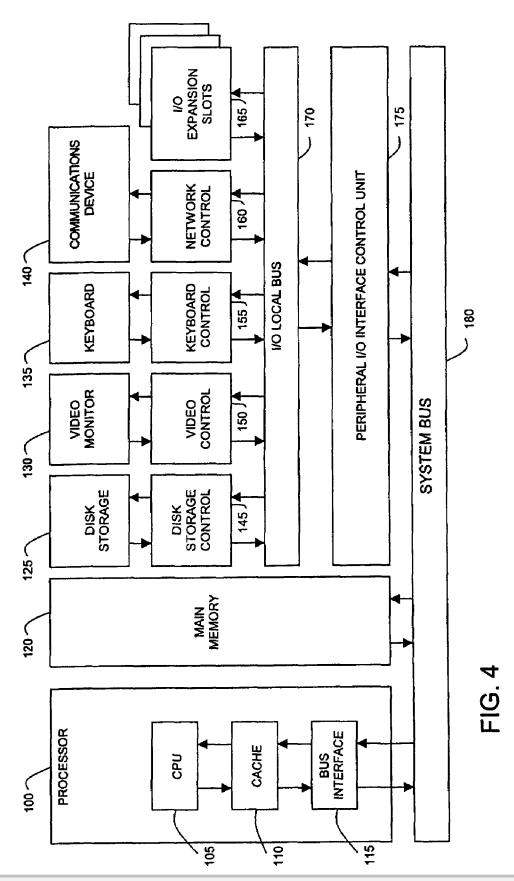
32













DOCKET A L A R M

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

