Exhibit B1

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(12) **INTER PARTES REEXAMINATION CERTIFICATE** (970th)

United States Patent
Arunachalam

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(54) **VALUE-ADDED NETWORK SWITCHING AND OBJECT ROUTING**

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No. 95/001,129, Dec. 19, 2008

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Related U.S. Application Data

(63) Continuation of application No. 09/296,207, filed on Apr. 21, 1999, now Pat. No. 6,212,556.

(51) **Int. Cl.**
G06F 13/00 (2006.01)

(52) **U.S. Cl.**
USPC 709/219; 709/203; 709/227; 719/313

(58) **Field of Classification Search**
None
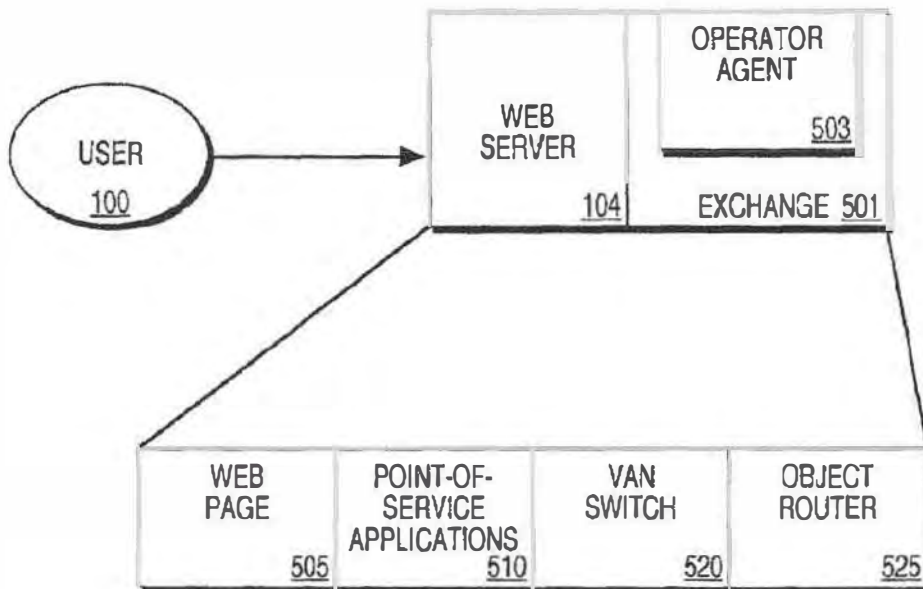See application file for complete search history.

(56) **References Cited**

To view the complete listing of prior art documents cited during the proceeding for Reexamination Control Number 95/001,129, please refer to the USPTO's public Patent Application Information Retrieval (PAIR) system under the Display References tab.

Primary Examiner — Zoila Cabrera

(57) **ABSTRACT**

The present invention provides a method and apparatus for providing real-time, two-way transactional capabilities on the network. Specifically, one embodiment of the present invention discloses a configurable value-added network switch for enabling real time transactions on the network. The configurable value added network switch comprises means for switching to a transactional application in response to a user specification from a network application, means for transmitting a transaction request from the transactional application, and means for processing the transaction request. Additionally, a method for enabling object routing is disclosed, comprising the steps of creating a virtual information store containing information entries and attributes associating each of the information entries and the attributes with an object identity, and assigning a unique network address to each of the object identities. Finally, a method is disclosed for enabling service management of the value-added network service, to perform OAM&P functions on the services network.

US 7,340,506 C1

1

INTER PARTES
REEXAMINATION CERTIFICATE
ISSUED UNDER 35 U.S.C. 316

THE PATENT IS HEREBY AMENDED AS
INDICATED BELOW.

Matter enclosed in heavy brackets [ ] appeared in the
patent, but has been deleted and is no longer a part of the
patent; matter printed in italics indicates additions made
to the patent.

AS A RESULT OF REEXAMINATION, IT HAS BEEN
DETERMINED THAT:

Claims 1-19 are cancelled.

New claims 20 and 21 are added and determined to be
patentable.

*20. The apparatus of claim 14, wherein the transaction is
handed over to an exchange, wherein the exchange manages
the connection between the user and the commercial service,
wherein the commercial service is an online service operating
across the digital network, wherein the digital network is a
value-added service network atop the Web.*

*21. The apparatus of claim 14, wherein the first computer
system offering the commercial service comprising access to
employee payroll information on a service network atop the
Web.*

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2