

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2003/0236905 A1**

**Choi et al.**

(43) **Pub. Date:**

**Dec. 25, 2003**

(54) **SYSTEM AND METHOD FOR AUTOMATICALLY RECOVERING FROM FAILED NETWORK CONNECTIONS IN STREAMING MEDIA SCENARIOS**

(21) Appl. No.: **10/179,583**

(22) Filed: **Jun. 25, 2002**

**Publication Classification**

(51) **Int. Cl.7** ..... **G06F 15/16**

(52) **U.S. Cl.** ..... **709/231**

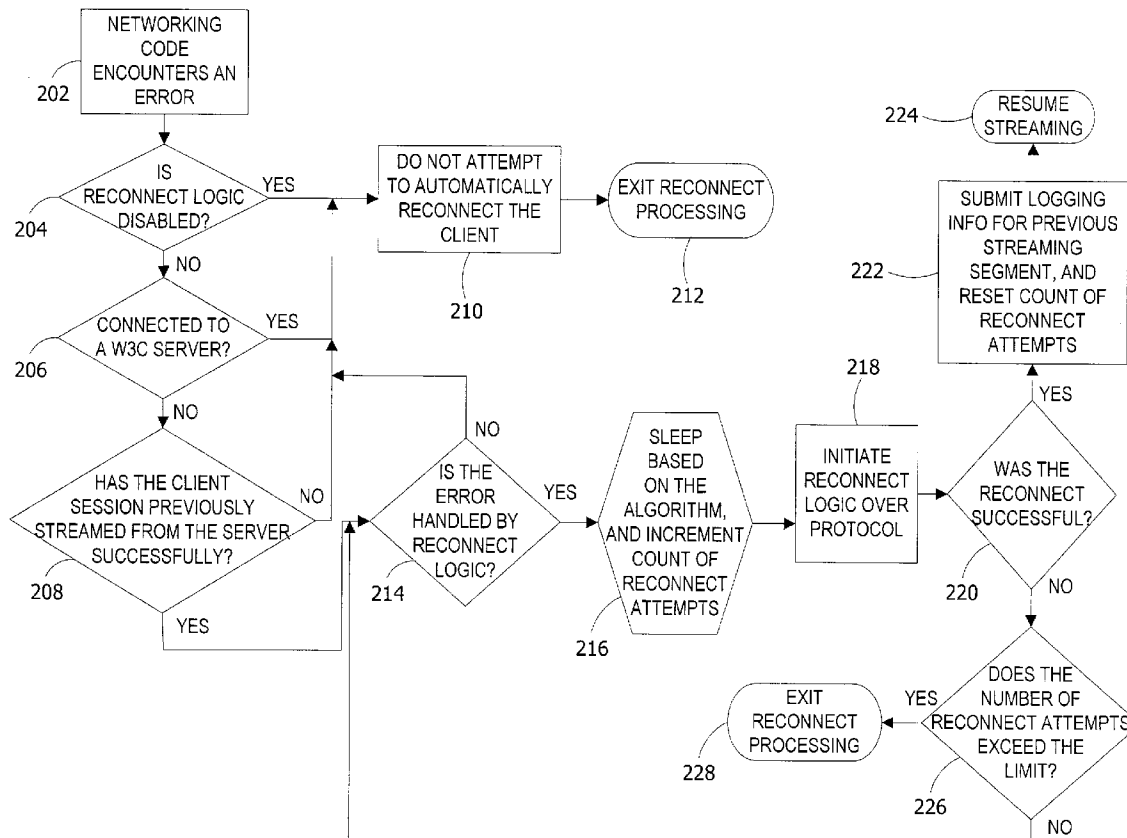
(75) **Inventors:** **Yejin Choi**, Bellevue, WA (US);  
**Alexandre Grigorovitch**, Redmond, WA (US); **Troy Batterberry**, Kirkland, WA (US)

(57) **ABSTRACT**

A system and method for automatically recover from broken network connections in streaming media scenarios. Server software executing on the server communicates with client software executing on the client during the streaming media session. If the streaming media session is interrupted, the server software and the client software exchange messages to associate the client with a client state stored by the server and to re-synchronize playback of the content.

Correspondence Address:  
**SENNIGER POWERS LEAVITT AND ROEDEL**  
**ONE METROPOLITAN SQUARE**  
**16TH FLOOR**  
**ST LOUIS, MO 63102 (US)**

(73) **Assignee:** **Microsoft Corporation**



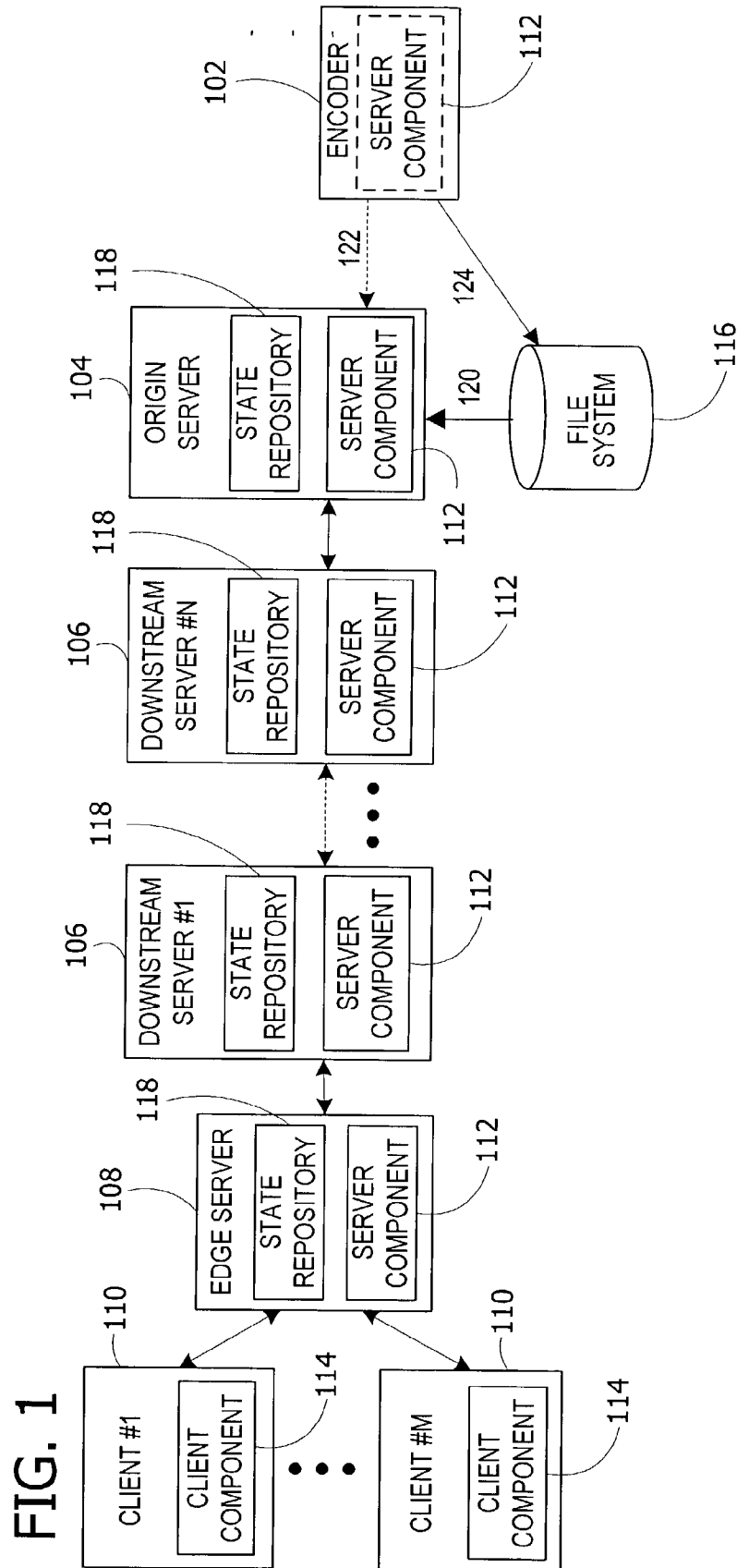


FIG. 1

FIG. 2

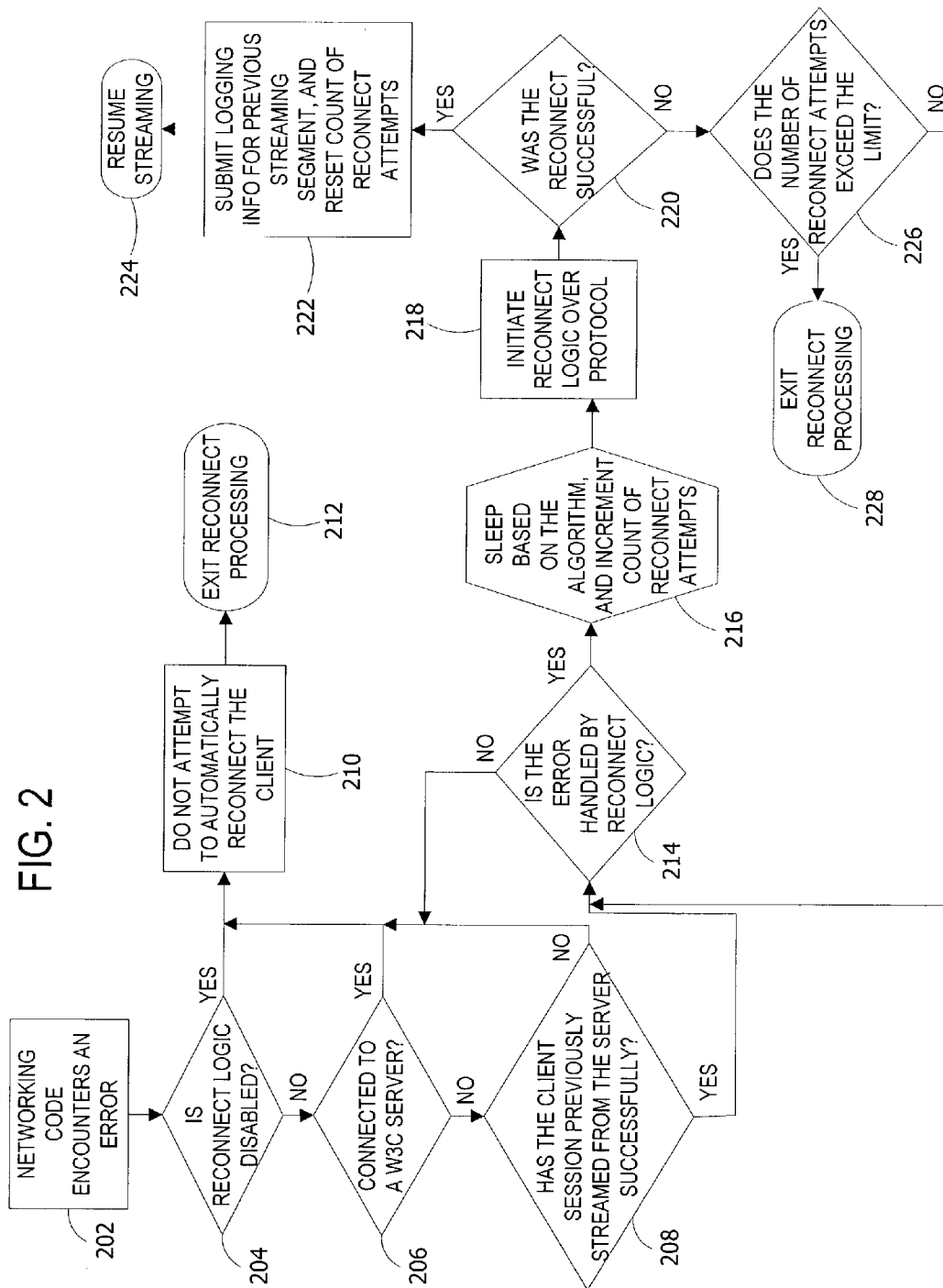


FIGURE 3

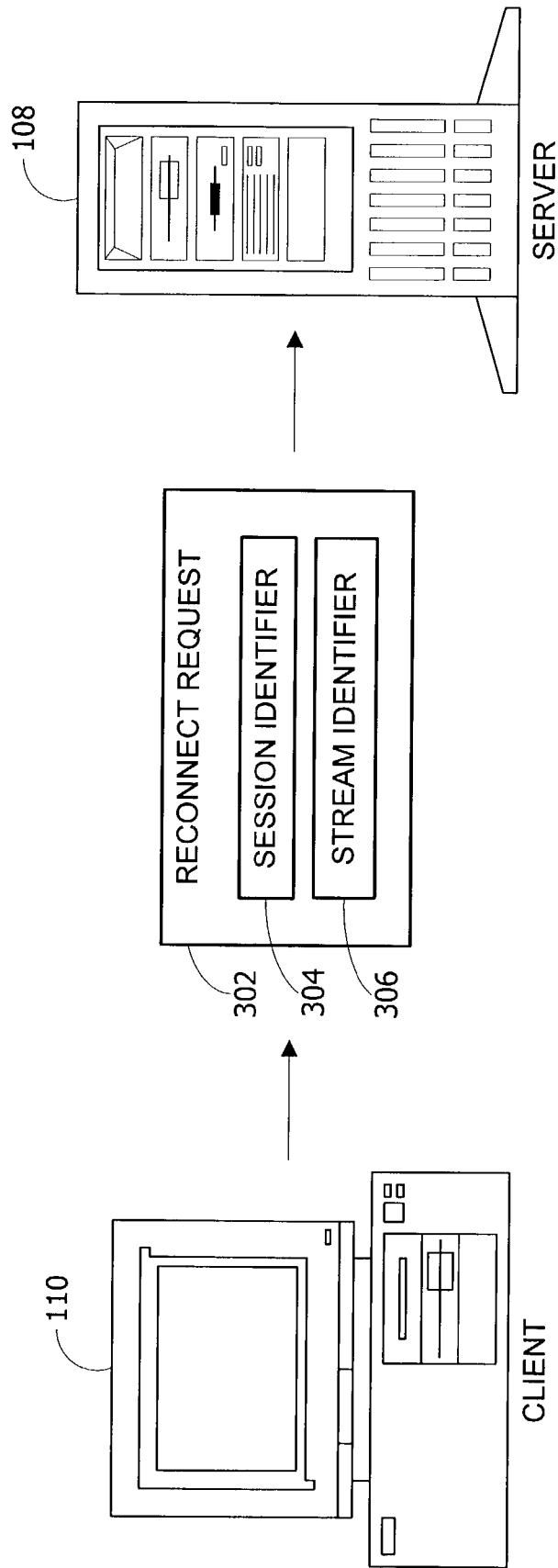
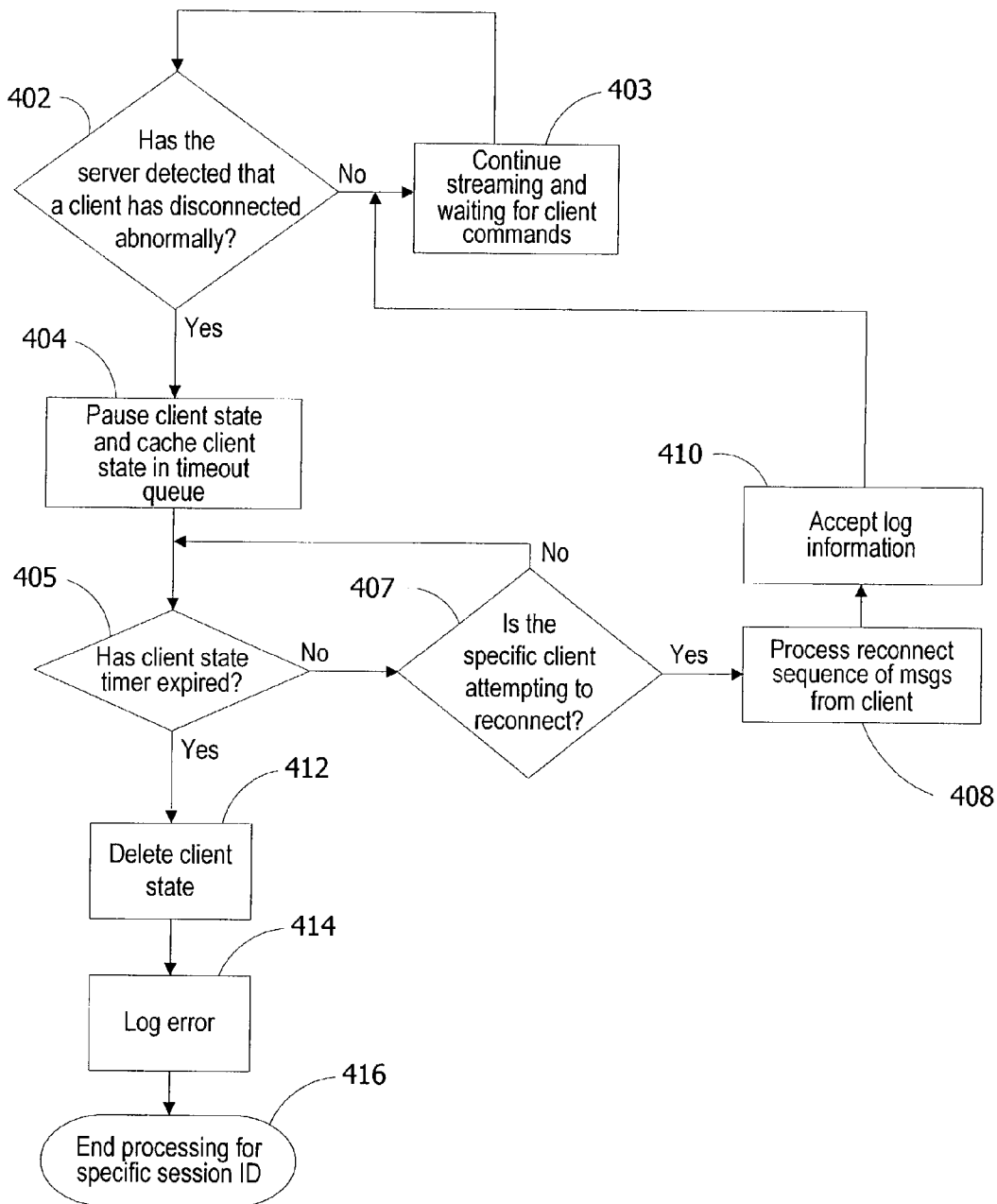


FIG. 4



# 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.