



(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2002/0116083 A1**

Schulze

(43) **Pub. Date: Aug. 22, 2002**

(54) **SYSTEM AND METHOD FOR AUTOMATED MONITORING AND ASSESSMENT OF FABRICATION FACILITY**

(52) **U.S. Cl. 700/108; 700/117; 700/121**

(76) **Inventor: Bradley D. Schulze, Phoenix, AZ (US)**

(57) **ABSTRACT**

Correspondence Address:
**PERMAN & GREEN
425 POST ROAD
FAIRFIELD, CT 06430 (US)**

A method for monitoring and assessing operation of a semiconductor fabrication facility comprises the steps of connecting a monitoring and assessment system to a system bus which is connected directly or indirectly to a manufacturing execution system and a plurality of semiconductor fabrication tools. Through a user interface, the state models can be configured for the semiconductor fabrication tools where each state model is based upon a set of defined triggers for each tool. During monitoring various messages are transmitted on the system bus between the semiconductor fabrication tools and the manufacturing execution system and the monitoring and assessment system, and appropriate triggers are generated based upon the messages where the triggers are selected from a set of defined triggers. During operation, the state models are updated for each tool affected by one of the triggers and transitions within the state models are recorded in a tracking database.

(21) **Appl. No.: 09/978,500**

(22) **Filed: Oct. 16, 2001**

Related U.S. Application Data

(60) **Provisional application No. 60/241,343, filed on Oct. 17, 2000.**

Publication Classification

(51) **Int. Cl.⁷ G06F 19/00**

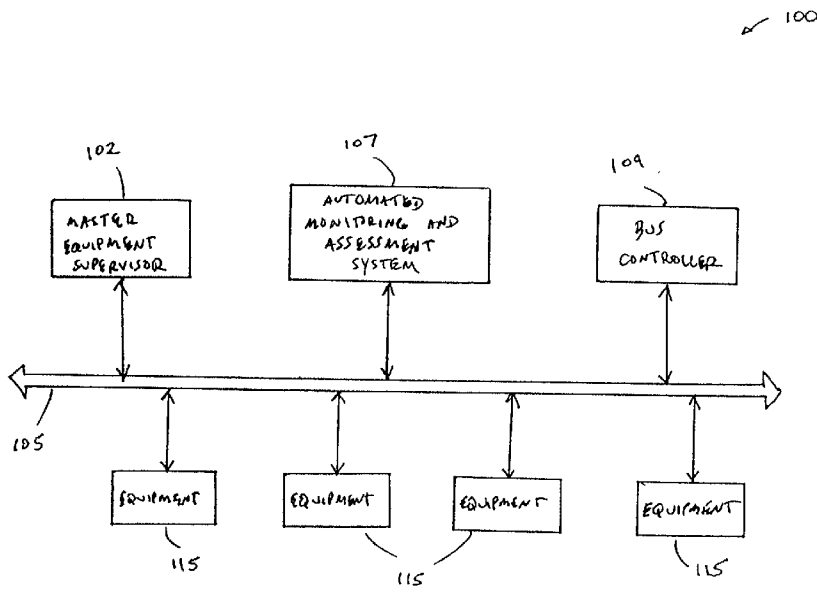


FIG. 1

100 ↗

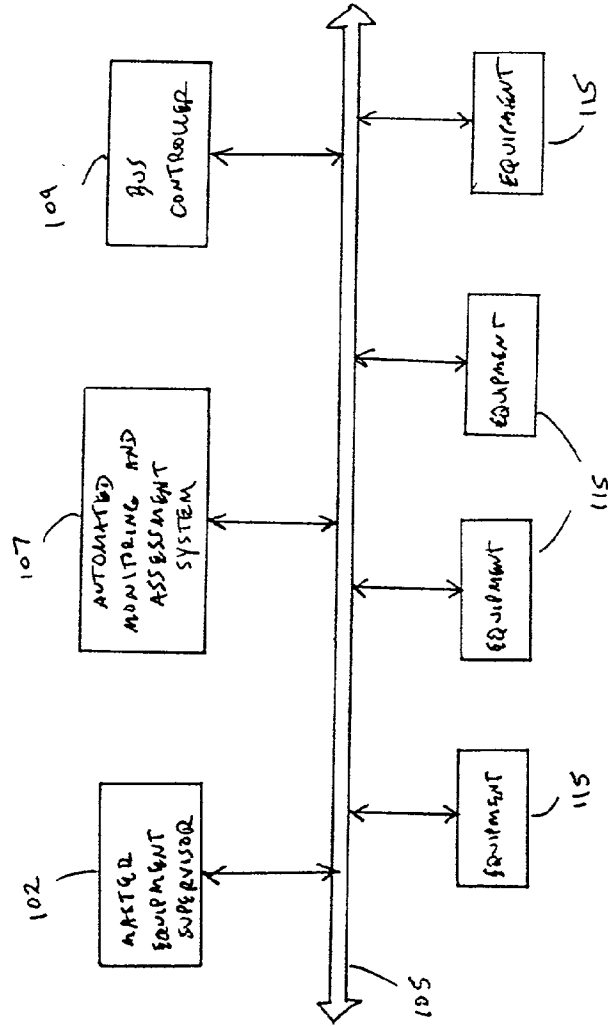


FIG. 2

200

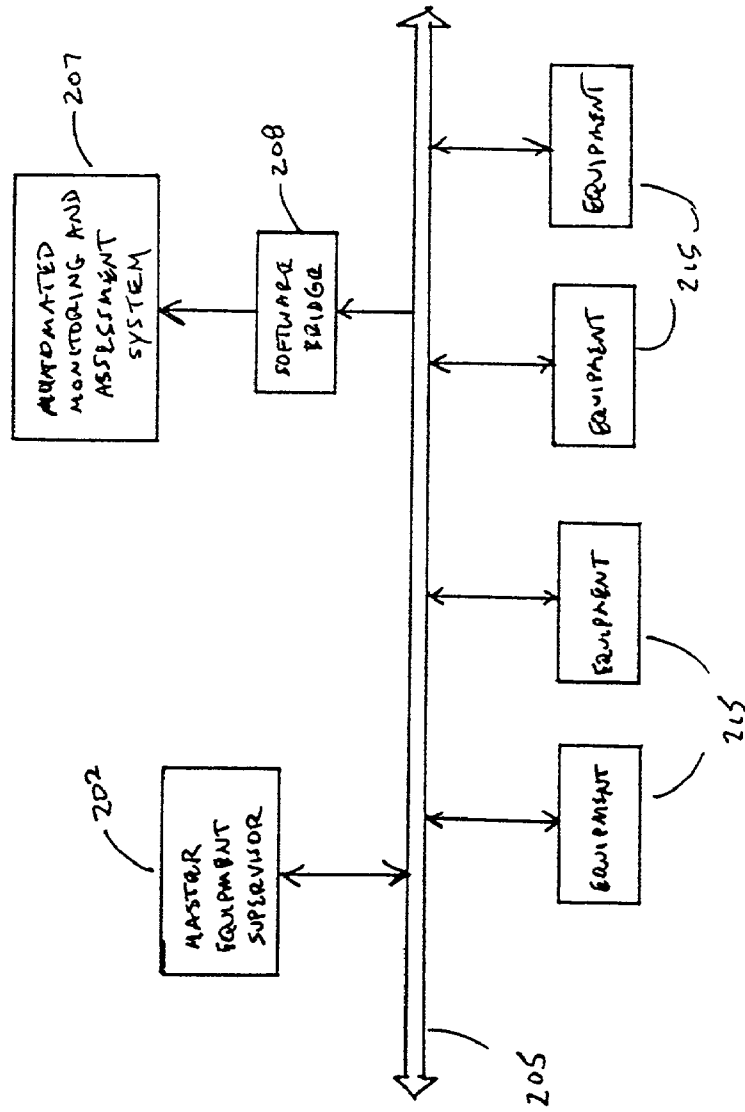
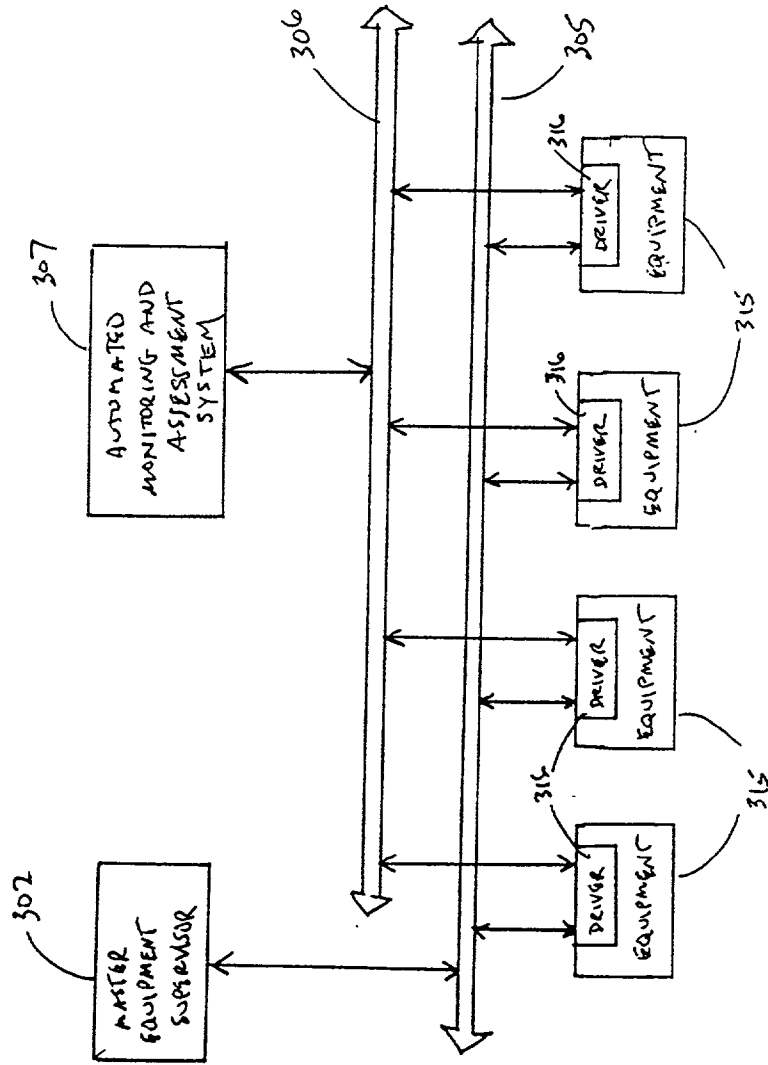


FIG. 3



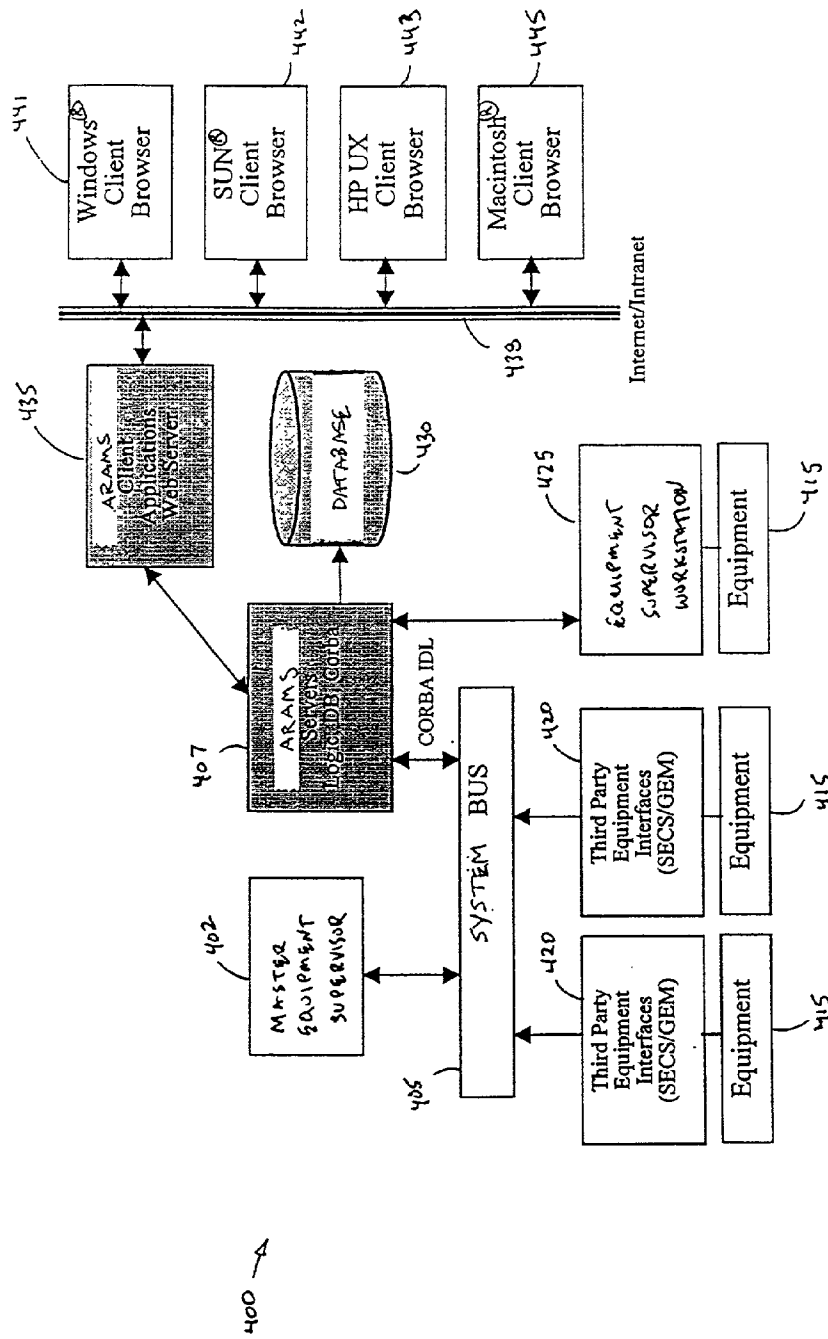


FIG. 4

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.