Case 2:21-cv-00040-JRG Document 94-4 Filed 10/12/21 Page 1 of 185 PageID #: 2424

Exhibit D Part 2 of 2

DOCKET A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

INFORMATION TO USERS

This manuscript has been reproduced from the microfilm master. UMI films the text directly from the original or copy submitted. Thus, some thesis and dissertation copies are in typewriter face, while others may be from any type of computer printer.

The quality of this reproduction is dependent upon the quality of the copy submitted. Broken or indistinct print, colored or poor quality illustrations and photographs, print bleedthrough, substandard margins, and improper alignment can adversely affect reproduction.

In the unlikely event that the author did not send UMI a complete manuscript and there are missing pages, these will be noted. Also, if unauthorized copyright material had to be removed, a note will indicate the deletion.

Oversize materials (e.g., maps, drawings, charts) are reproduced by sectioning the original, beginning at the upper left-hand corner and continuing from left to right in equal sections with small overlaps. Each original is also photographed in one exposure and is included in reduced form at the back of the book.

Photographs included in the original manuscript have been reproduced xerographically in this copy. Higher quality 6" x 9" black and white photographic prints are available for any photographs or illustrations appearing in this copy for an additional charge. Contact UMI directly to order.

U:M·I

University Microfilms International A Bell & Howell Information Company 300 North Zeeb Road Ann Arbor, MI 48106-1346 USA 313'761-4700 800/521-0600

DOCKE

Case 2:21-cv-00040-JRG Document 94-4 Filed 10/12/21 Page 3 of 185 PageID #: 2426

DOCKET A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

Order Number 9503201

Simplified expression of message-driven programs and quantification of their impact on performance

Gürsoy, Attila, Ph.D.

University of Illinois at Urbana-Champaign, 1994

Copyright ©1994 by Gürsoy, Attila. All rights reserved.



DOCKET

A L A R M Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

Case 2:21-cv-00040-JRG Document 94-4 Filed 10/12/21 Page 5 of 185 PageID #: 2428

DOCKET ALARM Find authenticated court documents without watermarks at <u>docketalarm.com</u>.

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.