

DOCKE

#### DECLARATION OF GERARD P. GRENIER

I, Gerard P. Grenier, am over twenty-one (21) years of age. I have never been convicted of a felony, and I am fully competent to make this declaration. I declare the following to be true to the best of my knowledge, information and belief:

- 1. I am Senior Director of Content Management of The Institute of Electrical and Electronics Engineers, Incorporated ("IEEE").
- 2. IEEE is a neutral third party in this dispute.
- 3. Neither I nor IEEE itself is being compensated for this declaration.
- 4. Among my responsibilities as Senior Director of Content Management, I act as a custodian of certain records for IEEE.
- 5. I make this declaration based on my personal knowledge and information contained in the business records of IEEE.
- 6. As part of its ordinary course of business, IEEE publishes and makes available technical articles and standards. These publications are made available for public download through the IEEE digital library, IEEE Xplore.
- 7. It is the regular practice of IEEE to publish articles and other writings including article abstracts and make them available to the public through IEEE Xplore. IEEE maintains copies of publications in the ordinary course of its regularly conducted activities.
- 8. The article below has been attached as Exhibit A to this declaration:

 T. Miyamori; U. Olukotun, A quantitative analysis of reconfigurable coprocessors for multimedia applications, published in Proceedings. IEEE Symposium on FPGAs for Custom Computing Machines, date of conference April 17, 1998.

- 9. I obtained a copy of Exhibit A through IEEE Xplore, where it is maintained in the ordinary course of IEEE's business. Exhibit A is a true and correct copy of the Exhibit, as it existed on or about December 18, 2019.
- 10. The article and abstract from IEEE Xplore shows the date of publication. IEEE Xplore populates this information using the metadata associated with the publication.

- 11. T. Miyamori; U. Olukotun, A quantitative analysis of reconfigurable coprocessors for multimedia applications was published in Proceedings. IEEE Symposium on FPGAs for Custom Computing Machines, date of conference April 17, 1998. Copies of the conference proceedings were made available no later than the last day of the conference. The article is currently available for public download from the IEEE digital library, IEEE Xplore.
- 12. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

I declare under penalty of perjury that the foregoing statements are true and correct

Executed on: 20 - Dec. - 2019

# EXHIBIT A

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

0	······································				
		Access provided by: IEEE Publications Operations Staff Sign Out			
Browse	My Settings	Get Help			
Adver	tisement			More Like This	
Conferences > Proceedings. EEE Symposium o				Reconfigurable processing with field programmable gate arrays	
A quantitati multimedia	ive analysis of reconfig applications	gurable coprocessors fo	or	Proceedings of International Conference on Application Specific Systems, Architectures and Processors: ASAP '96 Published: 1996	
Publisher: IEEE	/liyamori ; U. Olukotun View All Author	'S		A field programmable gate array implementation for biomedical system-on- chip (SoC) 2011 IEEE 7th International Colloquium on Signal Processing and its Applications Published: 2011	
		Export		View More	
58 22 Paper Paten Citations Citatio	329 t Full ons Text Views	Collabratec	Alerts Manage Content Alerts Add to Citation Alerts	Top Organizations with Patents on Technologies Mentioned in This Article ORGANIZATION 4 ORGANIZATION 3 ORGANIZATION 2	
Abstract					
Authors	Downl				
References				Advertisement	
Citations	Abstract: Recently, computer ar retargetable) coprocessor with a These architectures View more	chitectures that combine a reconfigurable general-purpose microprocessor have be <b>e</b>	e (or een proposed.		
Keywords	Metadata				
Metrics	Abstract:	that combine a reconfigurable (or retard	atable)		
	Recently, computer architectures that combine a reconfigurable (or retargetable) coprocessor with a general-purpose microprocessor have been proposed. These				
More Like This	architectures are designed to exp applications. In this paper, we stu on multimedia applications. We de based reconfigurable coprocesso (Reconfigurable Multimedia Array processor that is much larger that have developed a simulator, a pr programs to evaluate the perform simulation results show that REM to 7.3 on these applications. The improvements. However, the FPC	bloit large amounts of fine grain parallelis udy the performance of the reconfigurable compare a Field Programmable Gate Arra or with the array processor called REMAF y Coprocessor). REMARC uses a 16-bit s in a Configurable Logic Block (CLB) of ar ogramming environment, and multimedia nance of the two coprocessor architecture (ARC achieves speedups ranging from a FPGA coprocessor achieves similar perf GA coprocessor needs more hardware an	m in e coprocessors by (FPGA) C simple FPGA. We application es. The factor of 2.3 ormance ea to achieve		

Published in: Proceedings. IEEE Symposium on FPGAs for Custom Computing Machines (Cat. No.98TB100251)

DOCKET

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

Date Added to IEEE Xplore: 06 August	DOI: 10.1109/FPGA.1998.707876 Publisher: IEEE Conference Location: Napa Valley, CA, USA, USA		
2002			
Print ISBN: 0-8186-8900-5			
Advertisement			
Authors	~		
References	~		
Citations	~		
Keywords	~		
Metrics	~		

IEEE Personal Account	Purchase Details	Profile Information	Need H
CHANGE USERNAME/PASSWORD	PAYMENT OPTIONS	COMMUNICATIONS PREFERENCES	US & CAN
	VIEW PURCHASED DOCUMENTS	PROFESSION AND EDUCATION	WORLDW
		TECHNICAL INTERESTS	CONTACT

About EEE Xplore | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | Sitemap | Privacy & Opting Out of Cookies

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity.

© Copyright 2019 IEEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.

IEEE Account	Purchase Details	Profile Information	Need Help?
» Change Username/Password	» Payment Options	» Communications Preferences	» US & Canada: +1 800 678 4333
» Update Address	» Order History	» Profession and Education	» Worldwide: +1 732 981 0060
	» View Purchased Documents	» Technical Interests	» Contact & Support

#### About EEE Xplore | Contact Us | Help | Accessibility | Terms of Use | Nondiscrimination Policy | Sitemap | Privacy & Opting Out of Cookies

A not-for-profit organization, IEEE is the world's largest technical professional organization dedicated to advancing technology for the benefit of humanity. © Copyright 2019 EEE - All rights reserved. Use of this web site signifies your agreement to the terms and conditions.

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

# DOCKET



# 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.

