### DOWNLOAD REMOTE NODE USING ETHERNET BOOTSTRAP

by Kuo-Sheng Hsiao

A Thesis Submitted to the Faculty of the DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING In Partial Fulfillment of the Requirements for the Degree of MASTER OF SCIENCE In the Graduate College

THE UNIVERSITY OF ARIZONA

1984

Copyright 1984 Kuo-Sheng Hsiao

DOCKET

ALARM

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

#### STATEMENT BY AUTHOR

This thesis has been submitted in partial fulfillment of requirements for an advanced degree at The University of Arizona and is deposited in the University Library to be made available to borrowers under the rules of the Library.

Brief quotations from this thesis are allowable without special permission, provided that accurate acknowlegement of source is made. Request for permission for extended quotation from or reproduction of this manuscript in whole or in part may be granted by the copyright holder.

SIGNED: Kuo-Sheng Heiao

#### APPROVAL BY THESIS DIRECTOR

This thesis has been approved on the date shown below:

DOCKF

RM

4/26/84

Associate Professor of Electrical and Computer Engineering

© 1984

KUO-SHENG HSIAO

All Rights Reserved

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

#### ACKNOWLEGEMENTS

The author wishes to express his appreciation to his advisor and committee chairman, Dr. Ralph Martinez, for his guidance and professional assistance throughout this thesis. The author would also like to thank the other committee members, Dr. Fredrick J. Hill and Dr. Robert Swanson, for their suggestions.

Special thanks are due to Mr. Hugh Bynum and Mr. Rajiv Dhingra of the Intel Corporation for their assistance in developing network software.

The author would like to thank his father, his wife and children, for their support and encouragement. This work is dedicated to them.

iii

DOCKET

ARM

### TABLE OF CONTENTS

Page

LIST	OF II	LUSTR	ATIONS.		•••••	, <b></b>	vii
ABSTRACTviii							
1	INTRO	DUCTIC	DN		••••		1
	1.1	1.1.1 1.1.2	Etherr PDP-11	net Land	LSI-11	Nodes	
2	LOCAI	L AREA	NETWOR	RK SYS	STEM ST	RUCTURE.	10
	2.1	2.1.1 2.1.2 2.1.3	Ethern NI1010 REMOTI	net 2, NI2 E BOOT	2010, a STRAP	and iSBC5 and BOOT	
		2.2.1 2.2.2	NI1010 Family iSBC55	0, NI2 y 50 and	2 <b>010</b> an I ISPCE	nd LSI-11 36/30	, PDP-11
3	FUNC	FIONAL	DESCRI	IPTION	<b></b>		
	3.1 3.2 3.3	Progra 3.2.1 3.2.2 Funct: 3.3.1	amming NI1010 ISBC55 ional ( NI1010	Inter Ø and 50 Operat Ø and	face. NI2010 tion NI2012	2	
		3.3.2 3.3.3	REMOTI	E BOOT	STRAP	and BOOT	
		3.3.5	Connec Flow (	ctivit Contro	t <b>y</b>	• • • • • • • • • •	
4	EXAM	PLE API	PLICAT	ION PF	ROGRAMS	5	
	4.1 4.2 4.3	MACRO	-11 Exa	amples	5		

## 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.