

THIS IS TO CERTIFY that on May 8, 1997 a claim to copyright a work identified as SPLASH 2 FPGA IN A CUSTOM COMPUTING MACHINE was registered under number TX 4-529-692. This work was registered in accordance with provisions of the United States Copyright Law (Title 17 United States Code).

THIS IS TO CERTIFY ALSO, that the attached is an additional certificate for this work.

<u>IN WITNESS WHEREOF</u> the seal of this Office is affixed hereto on June 6, 2018.

Karyn A. Temple

Acting United States Register of Copyrights and Director

By: Veronica Patten

Supervisory Copyright Specialist

Records Research and Certification Section Office of Public Records and Repositories

Use of this material is governed by the U.S. copyright law 17 U.S.C. 101 et seq.



Additional Certificate (17 U.S.C. 706) Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, *United States Code*, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Kay A. Lesla

Acting United States Register of Copyrights and Director

FORM TX
UNITED STATES COPYRIGHT OFFICE

HEGISTRAHON NUMBER

TX 4-529-692

EFFECTIVE BATE OF BUGISTRATION

MAY - 8 1997

DO NOT WRITE AR	OVE THIS LINE IS YOU ME		- 1105 - 55				
TITLE OF THIS WO	OVE THIS LINE. IF YOU NE	4.000.000.000.000.0000.0000.0000.0000.0000	PP-498-050-050-050-000-050-050		\$55650000000000000000000000000000000000	QQQQQQqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq	00000000000000000000000000000000000000
Title Or This WO	DRK & Spicesh 2	FPGA	in a	costom	COMPODI	ny Maci	rine
PREVIOUS OR ALT	ERNATIVE TITLES Y			Lon	puter so	well procs	BP07413
S. Fryndig All II i'r							
PUBLICATION AS a collective work in which	A CONTRIBUTION If this the contribution appeared.	work was published Title of Collective t	dasa contribut Work V	tion to a periodi	ical, serial, or co	llection, give infor	mation about the
If published in a period	ical or serial give: Volume V	Number ¥	,			11	s P
2 P3 1 252 11	and or oction give. Volume	Namber	52	ls:	sue Date V	On Page	s ∀
NAME OF AUTHOR	te of Electrical	and Electro	onics En			TH AND DEAT Year Dice	H i ▼
Was this contribution to	the work a AUTHOR'S Name of Country	VATIONALITY OF	R DOMICIL		AS THIS AUT	HOR'S CONTE	NIBUTION TO
XXX Yes	Citizen of	-		H	HE WORK	☐ Yes ☐ No	If the answer to en
□ №	Domiciled		A		seudonymous?		"Yes," see detaile
NATURE OF AUTH	ORSHIP Briefly describe na						instructions
	and any describe in	ture of the material c	reated by this	author in which	copyright is cla	imed. ▼	
3.2	The second secon	ture of the material c	reated by this a		copyright is cla		
ME OF AUTHO	The second secon	ture of the material c	reated by this a	E d	tire Tex		H
3.2	The second secon	ture of the material c	reated by this :	E d	tire Tex	t	
.ME OF AUTHOR	the work a AUTHOR'S I			Eth D Ye	ATES OF BIR	TH AND DEAT Year Die	ď∀
.ME OF AUTHOR	the work a e for hire"?	NATIONALITY O		E W	ATES OF BIR Par Born V	TH AND DEAT Year Dic	RIBUTION TO
.ME OF AUTHOR	the work a c for hire"? AUTHOR'S I Name of country OR	NATIONALITY O		E W	ATES OF BIR Par Born V	THOR'S CONT	RIBUTION TO If me answer to e- of those questions
.ME OF AUTHOR * 5 this contribution to Tes "work mad	the work a e for hire"? OR OR OR OR OR OR OR OR OR O	NATIONALITY O	R DOMICIL	E W	ATES OF BIR AS THIS AU HE WORK nonymous? seudonymous?	THOR'S CONTI	RIBUTION TO If me answer to e- of those questions
.ME OF AUTHOR * 5 this contribution to Tes "work mad	the work a c for hire"? ORSHIP Briefly describe na	NATIONALITY O	R DOMICIL	E W T A Ps	ATES OF BIR ATES OF BIR AS THIS AU HE WORK nonymous? seudonymous? copyright is cla	TH AND DEAT Year Die THOR'S CONTI	RIBUTION TO If the answer to ell of those questions Yes Tisse data et instructions
.ME OF AUTHOR * 5 this contribution to Tes "work mad O No ATURE OF AUTHOR	the work a c for hire"? ORSHIP Briefly describe na	NATIONALITY O	R DOMICIL	E W T A	ATES OF BIR ATES OF BIR AS THIS AU HE WORK nonymous? seudonymous? copyright is cla	THOR'S CONTI	RIBUTION TO If the answer to evolutions of those questions the see data at instructions.
.ME OF AUTHOR * 5 this contribution to * Yes "work mad ** ATURE OF AUTHOR ** AME OF AUTHOR ** Las this contribution to	the work a clor hire"? AUTHOR'S I Name of country OR Citizen of Domiciled ORSHIP Briefly describe na	NATIONALITY O	R DOMICIL	E W T T A A A author in which	ATES OF BIR AS THIS AU HE WORK nonymous? copyright is cla ATES OF BIR ar florn V	THOR'S CONTI	RIBUTION TO If the answer to end those question, Yes instructions High
S this contribution to Tes work mad NO ATURE OF AUTHOR ATURE OF AUTHOR AME OF AUTHOR ATURE OF AUTHOR	the work a clor hire"? OR SHIP Briefly describe na R the work a clor hire"?	NATIONALITY O	R DOMICIL reated by this a	E W Ye	AS THIS AU HE WORK nonymous? copyright is cla ATES OF BIR ar florn V	TH AND DEAT Year Die THOR'S CONTI Ves No No Thes No Thes No	RIBUTION TO If the answer to end those question, Yes instructions High
* s this contribution to * s this contribution to * Yes "work mad * ATURE OF AUTHOR ** ** * ATURE OF AUTHOR ** ** * And OF AUTHOR ** ** ** ** ** ** ** ** **	the work a clother? ORSHIP Briefly describe na The work a clother? AUTHOR'S I Domiciled ORSHIP Briefly describe na AUTHOR'S I Name of Country OR { Citizen of	NATIONALITY O	R DOMICIL reated by this a	E W T A O S author in which Ye E W T A A T A A A A A A A A A A	AS THIS AU HE WORK nonymous? copyright is cla ATES OF BIR ar florn V	THOR'S CONTI	RIBUTION TO If me answer to e- of mose question, 'Yes' see data e- instructions Hi d v



			CONSTRUCTION OF THE PARTY OF TH	
		I XAMINI 13 HV	FORM TX	
		CHICKLOTY		
		COMM SPOND NOT	FOR COPYRIGHT OFFICE USE ONLY	
		DIMPOSIT ACCOUNT		
DO	NOT WRITE ABOVE THIS LINE. IF YO	OU NEED MORE SPACE, USE A SEPARATE CONTINUATION SHEET.		
REVIOUS REGIS Yes XX No If yo This is the first pu This is the first ap This is a changed	TRATION Has registration for this wor	rk, or for an earlier version of this work, already been made in the Copyright Office? ation being sought? (Check appropriate box) ♥ ered in unpublished form. right claimant.	S	
your answer is tes	s, give, trevious Registration requirer			
ERIVATIVE WO	RK OR COMPILATION Complete bot	th space 6a & 6b for a derivative work; complete only 6b for a compilation. s that this work is based on or incorporates. \(\textstyle{\textsty	6	
Material Added to	This Work Give a brief, general statement	nt of the material that has been added to this work and in which copyright is claimed. ¥	See instructions before completing this space.	
		—space deleted—		
		-space defeled-		
reck in one of the bo rd physically handic	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitati	LLLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the blin ions prescribed by the regulations of the Copyright Office: (1) copies of the work identified in spaphonorecords embodying a fixation of a reading of that work; or (3) both.	nd Sale	
neck in one of the board physically handic of this application in aXX C	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitati 1 Braille (or similar tactile symbols); or (2) p Copies and Phonorecords	LLLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the bli ions prescribed by the regulations of the Copyright Office: (1) copies of the work identified in spa phonorecords embodying a fixation of a reading of that work; or (3) both. b Copies Only c Phonorecords Only	nd ce See instructions	
eck in one of the bo id physically handic of this application in MX C EPOSIT ACCOU	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitati 1 Braille (or similar tactile symbols); or (2) p Copies and Phonorecords	ALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the bluitons prescribed by the regulations of the Copyright Office: (1) copies of the work identified in spathonorecords embodying a fixation of a reading of that work; or (3) both. b Copies Only c Phonorecords Only d to a Deposit Account established in the Copyright Office, give name and number of Account	nd ce See instructions	
eck in one of the bo of physically handic of this application in MEC EPOSIT ACCOU ame This titu	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitating Braille (or similar tactile symbols); or (2) peoples and Phonorecords INT If the registration fee is to be charged the of Electrical and E	LLLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the blistions prescribed by the regulations of the Copyright Office: (1) copies of the work identified in spacehonorecords embodying a fixation of a reading of that work; or (3) both. b	nd ce See instructions	
week in one of the book of physically handic of this application in WIE Composition of the Position of the Pos	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitating Braille (or similar tactile symbols); or (2) peoples and Phonorecords INT If the registration fee is to be charged the of Electrical and E	LLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the blid ions prescribed by the regulations of the Copyright Office: (1) copies of the work identified in spathonorecords embodying a fixation of a reading of that work; or (3) both. b	See instructions int. Be sure to	
heck in one of the bo nd physically handic of this application in MX C DEPOSIT ACCOU lame of The Institu	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitating apped and under the conditions and limitating appears and Phonorecords INT If the registration fee is to be charged the of Electrical and	LLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the blid ions prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space the product of the work identified in space to the product of the work identified in space to the product of the work identified in space to the product of the work identified in space to the product of the work identified in space to th	See instructions	
MERCHEROLD AND AND AND AND AND AND AND AND AND AN	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitating Braille (or similar tactile symbols); or (2) propies and Phonorecords INT If the registration fee is to be charged the of Electrical and E	ALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the blid ions prescribed by the regulations of the Copyright Office: (1) copies of the work identified in spanhonorecords embodying a fixation of a reading of that work; or (3) both. b Copies Only c Phonorecords Only d to a Deposit Account established in the Copyright Office, give name and number of Account Account Number v lectronics Erigineers, Inc. DA 037214 Trespondence about this application should be sent. Name/Address/Api/Cny/State/Zo v William J. Hagen, IEEE 445 Hoes Lane Piscataway, NJ 08855-1331 cohone Number v (908) 562-3966 am the author other copyright claimant owner of exclusive right(s) The Institute of Electrical authorized agent of and Electronics Engineers, Inc.	See instructions See instructions Be sure to give your dayling phone I cal ac.	
ERTIFICATION*	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitatin Braille (or similar tactile symbols); or (2) propies and Phonorecords INT If the registration fee is to be charged the of Electrical and El	A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the blist ions prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space bononercords embodying a fixation of a reading of that work; or (3) both. Copies Only	See instructions See instructions Be sure to give your dayling phone I cal ac.	
eck in one of the book physically handic of this application in WE CEPOSIT ACCOURAGE INSTITUTE ORRESPONDEN ERTIFICATION* I the work identified you in this application or printed narrows.	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitatin Braille (or similar tactile symbols); or (2) propies and Phonorecords INT If the registration fee is to be charged the of Electrical and El	A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the blue ions prescribed by the regulations of the Copyright Office: (1) copies of the work identified in space obnonorecords embodying a fixation of a reading of that work; or (3) both. b	See instructions See instructions Be sure to give your daytime phone of number ical ac. st 4	
MAIL CERTIFICATION Hart WALL CERTIFICATION Hart WALL CERTIFICATION Hart WALL CERTIFICATION Hart HART	xes here in space 8, constitutes a non-exclus apped and under the conditions and limitating apped and under the conditions and limitating Braille (or similar tactile symbols); or (2) propies and Phonorecords INT If the registration fee is to be charged the of Electrical and	ALLY HANDICAPPED INDIVIDUALS A signature on this form at space 10, and sive grant of permission to the Library of Congress to reproduce and distribute solely for the bluinns prescribed by the regulations of the Copyright Office: (1) copies of the work identified in spathonorecords embodying a fixation of a reading of that work; or (3) both. b	See instructions See instructions It Be sure to give your dayling phone Incal It cal Dace Order	

