503123547 01/05/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MITCHELL G. POPLACK	12/16/2014
SIMON SABATO	12/17/2014

RECEIVING PARTY DATA

Name:	CADENCE DESIGN SYSTEMS, INC.
Street Address:	2655 SEELY AVENUE
City:	SAN JOSE
State/Country:	CALIFORNIA
Postal Code:	95134

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14578100

CORRESPONDENCE DATA

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: PALO ALTO, CALIFORNIA 94304

ATTORNEY DOCKET NUMBER:	C0156.1171
NAME OF SUBMITTER:	JEFFREY A. MILLER
SIGNATURE:	/Jeffrey A. Miller/
DATE SIGNED:	01/05/2015

Total Attachments: 2

source=C0156.1171 Assignments for M. Poplack and S. Sabato#page1.tif source=C0156.1171 Assignments for M. Poplack and S. Sabato#page2.tif

PATENT 503123547 REEL: 034636 FRAME: 0894

Atty. Ref. No.: C0156.1171 Client Ref. No. 14PA144US02

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor hereby sells, assigns, transfers to CADENCE DESIGN SYSTEMS, INC., a Delaware corporation having a principal place of business at 2655 SEELY AVENUE, SAN JOSE, CALIFORNIA 95134 ("ASSIGNEE"), and its successors, assigns, and legal representatives, all rights, title and interest in and to his/her invention relating to:

SYSTEM AND METHOD OF ENCODING IN A SERIALIZER/DESERIALIZER

in any	form	or e	embodimen	t thereof	in t	he Un	ited	States	and	all	other	countries	, inc	luding	applications	for	patents	in a	ıĽ
countri	es thro	ough	out the wo	rld, as set	forth:	ı in his	/he	r Unite	d Sta	tes	Patent	t Applicat	ion (check o	one):		_		

Z	executed concurrently herewith,		
	executed on 12/16/2014,		
	Serial No14/578, 100 filed on 12/19/2014		
	PCT International Application No.:	, filed on	

including any and all applications claiming priority to said applications, and to any provisional from which priority is claimed, divisions, continuations, renewal, substitute or reissue thereof and to any and all Letters Patent of the United States and all other countries, including any and all utility models, and design registrations, which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the issuing authority to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell, assign, and transfer the interests herein sold, assigned, and transferred and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that, without further remuneration, he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States or other countries for said invention; and

Each of the undersigned hereby grants the attorneys associated with Customer Number <u>91477</u>, the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment, including the power to insert on this assignment the application number and filing date of said application when known.

Full Name of First Inventor: (given name, middle initial, family name)	Mitchell G. Poplack
Inventor's Signature	Execution Date 12/16/14
Full Name of Second Inventor: (given name, middle initial, family name)	Simon L. Sabato
Inventor's Signature	Execution Date

PATENT REEL: 034636 FRAME: 0895

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor hereby sells, assigns, transfers to CADENCE DESIGN SYSTEMS, INC., a Delaware corporation having a principal place of business at 2655 SEELY AVENUE, SAN JOSE, CALIFORNIA 95134 ("ASSIGNEE"), and its successors, assigns, and legal representatives, all rights, title and interest in and to his/her invention relating to:

SYSTEM AND METHOD OF ENCODING IN A SERIALIZER/DESERIALIZER

in any form or embodiment thereof, in the United States and all other countries, including applications for patents in all countries throughout the world, as set forth in his/her United States Patent Application (check one):

executed concurrently herewith,	
executed on 12/17/2014,	
Serial No. $4/578$, 100, filed on	.2/19/2014
PCT International Application No	i filed on

including any and all applications claiming priority to said applications, and to any provisional from which priority is claimed, divisions, continuations, renewal, substitute or reissue thereof and to any and all Letters Patent of the United States and all other countries, including any and all utility models, and design registrations, which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the issuing authority to issue any and all such Letters patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell, assign, and transfer the interests herein sold, assigned, and transferred and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that, without further remuneration, he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States or other countries for said invention; and

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Full Name of First given name, middle ini		Mitchell G. Poplack						
Inventor's Signature			Execution Date					
Full Name of Secon (given name, middle initial,		Sim	on Sabato					
Inventor's Signature	Genelelet	2	Execution Date	12/17/14				

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RECORDED: 01/05/2015