

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN M. MACLAREN	06/11/2018
LANDON LAWS	06/05/2018
CARL NELS OLSON	06/06/2018
THOMAS J. SHEPHERD	06/08/2018
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<b>Street Address:</b>	2655 SEELY AVENUE
<b>City:</b>	SAN JOSE
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	95134
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16005427
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	3225.222US1 / 18PA009US01
<b>NAME OF SUBMITTER:</b>	JONATHAN FERGUSON
<b>SIGNATURE:</b>	/JONATHAN FERGUSON/
<b>DATE SIGNED:</b>	06/11/2018
<b>Total Attachments: 6</b>	
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**PATENT**

**REEL: 046048 FRAME: 0844**

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS, WE, **John M. MacLaren, Landon Laws, Carl Nels Olson, and Thomas J. Shepherd** (hereinafter referred to as "ASSIGNORS"), have invented a certain invention entitled **CACHING ERROR CHECKING DATA FOR MEMORY HAVING INLINE STORAGE CONFIGURATIONS** for which Utility Application for Letters Patent of the United States of America is being filed herewith; and

WHEREAS, **Cadence Design Systems, Inc.**, a corporation organized and existing under and by virtue of the laws of the state of Delaware and having its principal place of business at **2655 Seely Avenue, San Jose, California 95134** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assign, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any provisional from which priority is claimed, continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under any international conventions or treaties; and ASSIGNORS hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof, to issue said patents to ASSIGNEE, its successors and assigns, in accordance with this Assignment.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement;

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

[1]      6/11/2018  
\_\_\_\_\_  
Date

/      *John M. MacLaren*      /  
\_\_\_\_\_  
John M. MacLaren

[2] 6/5/2018  
**Date**

/ *Landon Laws* /  
**Landon Laws**

[3]      6/6/2018  
\_\_\_\_\_  
Date

/      *Carl Nels Olson*      /  
\_\_\_\_\_  
Carl Nels Olson

[4]      6/8/2018  
\_\_\_\_\_  
Date

   Thomas J. Shepherd  
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Thomas J. Shepherd