

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Cary Ussery</td> <td>11/25/1997</td> </tr> <tr> <td>Oz Levia</td> <td>11/26/1997</td> </tr> <tr> <td>Raymond Ryan</td> <td>11/26/1997</td> </tr> </tbody> </table>		Name	Execution Date	Cary Ussery	11/25/1997	Oz Levia	11/26/1997	Raymond Ryan	11/26/1997				
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<table border="1"> <tr> <td>Name:</td> <td>IMPROV SYSTEMS, INC.</td> </tr> <tr> <td>Street Address:</td> <td>100 CUMMINGS CENTER</td> </tr> <tr> <td>Internal Address:</td> <td>SUITE 407L</td> </tr> <tr> <td>City:</td> <td>BEVERLY</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>01915</td> </tr> </table>		Name:	IMPROV SYSTEMS, INC.	Street Address:	100 CUMMINGS CENTER	Internal Address:	SUITE 407L	City:	BEVERLY	State/Country:	MASSACHUSETTS	Postal Code:	01915
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CORRESPONDENCE DATA													
<p>Fax Number: 206.299.92</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 206.903.8800</p> <p>Email: ipdocket-se@dorsey.com</p> <p>Correspondent Name: Dorsey & Whitney LLP, IP Docket Dept.</p> <p>Address Line 1: 701 5th Avenue</p> <p>Address Line 2: Suite 6100</p> <p>Address Line 4: Seattle, WASHINGTON 98104-7043</p>													
ATTORNEY DOCKET NUMBER:	P191101.US.02												
NAME OF SUBMITTER:	Jennifer Lane Spaith												
<p>Total Attachments: 3</p> <p>source=6484304ParentInventorassignment#page2.tif</p> <p>source=6484304ParentInventorassignment#page3.tif</p> <p>source=6484304ParentInventorassignment#page4.tif</p>													

CH \$40.00 6484304

Atty. Docket No. IMP-001
(8326/4)

ASSIGNMENT

WHEREAS, We, Cary Ussery, Oz Levia and Raymond Ryan have invented one or more improvements in:

**METHOD OF GENERATING APPLICATION SPECIFIC INTEGRATED CIRCUITS USING A
PROGRAMMABLE HARDWARE ARCHITECTURE**

described in an application (or provisional application) for Letters Patent of the United States:

☒ identified by Attorney Docket No. IMP-001, and/or executed by us of even date herewith and about to be filed in the United States Patent Office;

☐ Serial No. / filed in the United States Patent Office on ; and

WHEREAS, Improv Systems, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the State of Delaware, and having a usual place of business at 100 Cummings Center, Suite 407L, Beverly, Massachusetts 01915 desires to acquire an interest therein, in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to the inventions described in said application, together with our entire right, title and interest in and to said application and such Letters Patent as may issue thereon or claim priority under international convention; said inventions, applications and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all of our rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of our entire right, title and interest in and to said inventions, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all Letters Patent to ASSIGNEE for its own name as assignee of our entire right, title and interest therein.

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns, and legal representatives, but at its or their expense and charges, including: the execution of applications for patents in foreign countries; the execution of substitution, reissue, divisional or continuation applications; and preliminary or other

PATENT
REEL: 9044 FRAME: 0680

PATENT
REEL: 029288 FRAME: 0340

Joint Assignment
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statements or the giving of testimony in any interference or other proceeding in which said inventions or any application or patent directed thereto may be involved; and we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number and filing date into this assignment, if none is indicated on that date of our execution of this assignment;

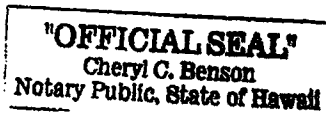
AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: Cary Ussery

State/Commonwealth of Hawaii)
County of Maua) ss

Subscribed and sworn to before me, by the above-named Cary Ussery this 25
day of November, 1997.

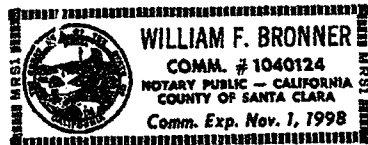


Cheryl C. Benson
Notary Public
My Commission Expires: 3/17/98

Inventor: Oz Levia 11/26/97

State/Commonwealth of CALIFORNIA)
County of SANTA CLARA) ss

Subscribed and sworn to before me, by the above-named Oz Levia this 26TH
day of NOVEMBER, 1997.



William F. Bronner
Notary Public
My Commission Expires: NOV 1, 1998

PATENT
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REEL: 029288 FRAME: 0341

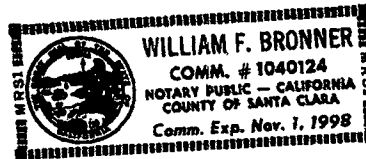
Inventor: Raymond Ryan 11/26/97
Raymond Ryan

State/Commonwealth of CALIFORNIA
County of SANTA CLARA) ss

Subscribed and sworn to before me, by the above-named Raymond Ryan this
26TH day of NOVEMBER, 1997.

William F. Bronner
Notary Public
My Commission Expires: NOV 1, 1998

281KR8326/4.439727



RECORDED: 12/01/1997

PATENT
REEL: 9044 FRAME: 0682

RECORDED: 11/13/2012

PATENT
REEL: 029288 FRAME: 0342