**PATENT ASSIGNMENT COVER SHEET**

**SUBMISSION TYPE:** NEW ASSIGNMENT  
**NATURE OF CONVEYANCE:** ASSIGNMENT

### CONVEYING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Execution Date</th>
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</thead>
<tbody>
<tr>
<td>Saurabh Chheda</td>
<td>12/01/2004</td>
</tr>
<tr>
<td>Kristopher Carver</td>
<td>12/01/2004</td>
</tr>
<tr>
<td>Raksit Ashok</td>
<td>12/01/2004</td>
</tr>
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</table>

### RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name:</th>
<th>BlueRISC, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street Address:</td>
<td>28 Dana St.</td>
</tr>
<tr>
<td>City:</td>
<td>Amherst</td>
</tr>
<tr>
<td>State/Country:</td>
<td>MASSACHUSETTS</td>
</tr>
<tr>
<td>Postal Code:</td>
<td>01002</td>
</tr>
</tbody>
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**PROPERTY NUMBERS Total: 1**

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<th>Property Type</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Number:</td>
<td>14212737</td>
</tr>
</tbody>
</table>

**CORRESPONDENCE DATA**

- **Fax Number:** (877) 769-7945  
- **Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.**
- **Phone:** (617) 542-5070  
- **Email:** apsi@fr.com  
- **Correspondent Name:** PAUL A. PYSHER  
- **Address Line 1:** FISH & RICHARDSON P.C.  
- **Address Line 2:** P.O. BOX 1022  
- **Address Line 4:** MINNEAPOLIS, MINNESOTA 55440-1022

**ATTORNEY DOCKET NUMBER:** 14251-0008002

**NAME OF SUBMITTER:** MARY FLORCZAK

**SIGNATURE:** /Mary Florczak/

**DATE SIGNED:** 10/20/2014

**Total Attachments:** 12

source=Assignment#page1.tif  
source=Assignment#page2.tif  
source=Assignment#page3.tif  
source=Assignment#page4.tif
ASSIGNMENT

For valuable consideration, we, SAURABH CHHEDA of 16 Brandywine Drive, Apt. 6H, Amherst, MA 01002, KRISTOPHER CARVER of 117 North Pleasant St, Apt. 13, Amherst, MA 01002, RAKSIT ASHOK, of 10 Belchertown Road, Apt. 31, Amherst, MA 01002, hereby assign to BLUE RISC, Inc., a Delaware corporation having a place of business at 28 Dana Street, Amherst, MA 01002; and its successors and assigns (collectively hereinafter called “the Assignee”), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ENERGY-FOCUSED RE-COMPILED EXECUTABLES AND HARDWARE MECHANISMS BASED ON COMPILER-ARCHITECTURE INTERACTION AND COMPILER-INSERTED CONTROL, filed on October 18, 2004, and assigned U.S. Serial Number 10/967,989; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.
IN WITNESS WHEREOF, I hereby set my hand and seal at 8:04 p.m.
this 1st day of December, 2004.

SAURABH CHHEDA

L.S.

State of Massachusetts:

ss.

County of Hampshire:

Before me this 18th day of December, 2004, personally appeared SAURABH CHHEDA known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Notary Public

My Commission Expires:

KEVIN P. HUTCHINSON
NOTARY PUBLIC
MY COMMISSION EXPIRES SEPT. 30, 2005

[Notary's Seal Here]
IN WITNESS WHEREOF, I hereto set my hand and seal at 3:04 PM,
this 1st day of December, 2001

KRISTOPHER CARVER

State of Massachusetts:

County of Hampshire:

Before me this 1st day of December, 2001, personally
appeared KRISTOPHER CARVER known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.

Kevin P. Hutchinson
Notary Public

My Commission Expires: Kevin P. Hutchinson
NOTARY PUBLIC
MY COMMISSION EXPIRES SEPT. 30, 2001

[Notary’s Seal Here]
IN WITNESS WHEREOF, I hereto set my hand and seal at 15:05
this 1st day of December, 2004

RAKSIT ASHOK

State of Massachusetts

County of Hampshire

Before me this 1st day of December, 2004, personally appeared RAKSIT ASHOK known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Notary's Seal Here]

KEVIN P. HUTCHINSON
NOTARY PUBLIC

My Commission Expires: MY COMMISSION EXPIRES SEPT. 30, 2006

Page 4 of 4

PATENT
REEL: 033980 FRAME: 0843
ASSIGNMENT

For valuable consideration, we, SAURABH CHHEDA of 16 Brandywine Drive, Apt. 6H, Amherst, MA 01002, KRISTOPHER CARVER of 117 North Pleasant St, Apt. 13, Amherst, MA 01002, RAKSIT ASHOK, of 10 Belchertown Road, Apt. 31, Amherst, MA 01002, hereby assign to BLUERISC, Inc., a Delaware corporation having a place of business at 28 Dana Street, Amherst, MA 01002; and its successors and assigns (collectively hereinafter called “the Assignee”), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ENERGY-FOCUSED RE-COMPIILATION OF EXECUTABLES AND HARDWARE MECHANISMS BASED ON COMPILER-ARCHITECTURE INTERACTION AND COMPILER-INSERTED CONTROL, filed on October 18, 2004, and assigned U.S. Serial Number 10/967,989; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors’ certificates for said inventions and improvements; and we agree for ourselves and our heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.
IN WITNESS WHEREOF, I hereto set my hand and seal at 3:04 p.m.,
this 1st day of December, 2004

SAURABH CHHEDA

L.S.

State of Massachusetts:

ss.

County of Hampshire:

Before me this 1st day of December, 2004, personally
appeared SAURABH CHHEDA, known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he executed the same as his free act and deed for
the purposes therein contained.

[Notary’s Seal Here]

Notary Public
My Commission Expires: KEVIN P. HUTCHINSON
NOTARY PUBLIC
MY COMMISSION EXPIRES SEPT. 30, 2005
IN WITNESS WHEREOF, I hereto set my hand and seal at 3:04 PM, this 1st day of December, 2004.

[Signature]

KRISTOPHER CARVER

State of Massachusetts:

County of Hampshire:

Before me this 1st day of December, 2004, personally appeared KRISTOPHER CARVER known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Signature]

Notary Public

My Commission Expires: KEVIN P. HUTCHINSON

NOTARY PUBLIC

[Notary’s Seal Here]
IN WITNESS WHEREOF, I hereto set my hand and seal at 15:05
this 1st day of December, 2004

RAKSIT ASHOK

State of Massachusetts

County of Hampshire:

Before me this 1st day of December, 2004, personally appeared RAKSIT ASHOK known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

[Notary’s Seal Here]

Notary Public

My Commission Expires: [Notary’s Seal Here]
ASSIGNMENT

For valuable consideration, we, SAURABH CHHEDA of 16 Brandywine Drive, Apt. 6H, Amherst, MA 01002, KRISTOPHER CARVER of 117 North Pleasant St, Apt. 13, Amherst, MA 01002, RAKSIT ASHOK of 10 Belchertown Road, Apt.31, Amherst, MA 01002, hereby assign to BLUERISC, Inc., a Delaware corporation having a place of business at 28 Dana Street, Amherst, MA 01002; and its successors and assigns (collectively hereinafter called “the Assignee”), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled ENERGY-FOCUSED RE-COMPILED EXECUTABLES AND HARDWARE MECHANISMS BASED ON COMPILER-ARCHITECTURE INTERACTION AND COMPILER-INSERTED CONTROL, filed on October 18, 2004, and assigned U.S. Serial Number 10/967,989; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.
IN WITNESS WHEREOF, I hereunto set my hand and seal at 3:04 pm,
this 1st day of December, 2004

SAURABH CHHEDA

L.S.

State of Massachusetts:

County of Hampshire:

Before me this 1st day of December, 2004, personally appeared SAURABH CHHEDA, known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

KEVIN P. HUTCHINSON
Notary Public
My Commission Expires:

KEVIN P. HUTCHINSON
NOTARY PUBLIC
MY COMMISSION EXPIRES SEPT. 30, 2005

[Notary’s Seal Here]
IN WITNESS WHEREOF, I hereto set my hand and seal at 3:04 P.M.
this 1st day of December, 2004

_________________________  L.S.

KRISTOPHER CARVER

State of Massachusetts:

Countuy of Hampshire:

Before me this 1st day of December, 2004, personally
appeared KRISTOPHER CARVER, known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he executed the same as his free act and deed
for the purposes therein contained.

_________________________
Notary Public
My Commission Expires:

KEVIN P. HUTCHINSON
NOTARY PUBLIC
MY COMMISSION EXPIRES SEPT. 30, 201

[Notary's Seal Here]
IN WITNESS WHEREOF, I hereto set my hand and seal at 15:05
this 1st day of December, 2004

RAKSIT ASHOK

State of Massachusetts
: ss.

County of Hampshire:

Before me this 1st day of December, 2004, personally appeared RAKSIT ASHOK known to me to be the person whose name is subscribed to the foregoing Assignment and acknowledged that he executed the same as his free act and deed for the purposes therein contained.

Notary Public

[Notary’s Seal Here]

KEVIN P. HUTCHINSON
NOTARY PUBLIC
MY COMMISSION EXPIRES SEPT. 30, 2005

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RECORDED: 10/20/2014

PATENT
REEL: 033980 FRAME: 0851