PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
William H. Mangione-Smith	10/02/2009
Onur Mutlu	10/01/2009

RECEIVING PARTY DATA

Name:	Phase II LLC
Street Address:	4146 118th Ave. NE
City:	Kirkland
State/Country:	WASHINGTON
Postal Code:	98033

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12577378

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 18254.3

NAME OF SUBMITTER: R. Burns Israelsen

Total Attachments: 3

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PATENT REEL: 023357 FRAME: 0762

ASSIGNMENT OF PATENT RIGHTS

For valuable consideration, the receipt and sufficiency of which is hereby acknowledged,

William H. Mangione-Smith, 4146 118th Ave, NE, Kirkland, Washington 98033 U.S.; and Onur Mutlu, 5911 Alder St. Apt 2, Pittsburgh, Pennsylvania 15232 U.S. (collectively "Assignors"), effective as of March 27, 2009, hereby sell, assign, transfer, and convey unto Phase Two LLC, a Limited Liability Company, organized in the state of Washington, having a principal place of business at 4146 118th Ave. NE, Kirkland, WA 98033 U.S. ("Assignee"), all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "Rights"):

- the inventions disclosed in the solution report/invention disclosure titled "Reliable
 Communications over Unreliable On-Chip Multi-core Networks" and all inventions claimed
 and/or described in the Application (collectively, the "Invention");
- 2. the patent applications listed in the table below (the "Application");

12/577.378	U.S.	October 12, 2009	RELIABLE COMMUNICATIONS IN ON-
12/3//,3/6		October 12, 2009	CHIP NETWORKS

- 3. all rights with respect to the Invention, including all U.S. patents or other governmental grants or issuances that may be granted with respect to the Invention or from any direct or indirect divisionals, continuations, continuations-in-part, or other patent applications claiming priority rights from the Application ("Potential Patents");
- 4. all reissues, reexaminations, extensions, or registrations of the Potential Patents;
- 5. all non-United States patents, patent applications, and counterparts relating to any or all of the Invention, the Application, and the Potential Patents, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances ("Foreign Rights"), and including the right to file foreign applications directly in the name of Assignee, its successors and assigns;
- 6. all rights to claim priority rights deriving from the Application;
- 7. all causes of action and remedies related to any or all of the Application, the Invention, the Potential Patents, and the Foreign Rights (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and

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By:

William H. Mangione-Smith

4146 118th Ave, NE,

Kirkland, Washington 98033 U.S.

NOTARIZATION

country of <u>king</u>) ss.

On <u>Ortober 2</u>, 20<u>09</u>, before me, <u>Faula Hutchison</u>, Notary Public, personally appeared William H. Mangione-Smith, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Washington that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

By:

Onur Mutlu

5911 Alder St. Apt 2

Pittsburgh, Pennsylvania 15232

NOTARIZATION

On October 1 2009 before me, Justith A Band of Notary Public,

personally appeared Onur Mutlu, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature(s) on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of Length that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

RECORDED: 10/12/2009

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Judith A. Bandola, Notary Public Dravosburg Boro, Allegheny County My Commission Expires Oct. 18, 2012

Member, Pennsylvania Association of Notaries

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