PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
USHA HANUMOLU	02/06/2012
YINGJIONG HE	02/06/2012
YUFENG ZHOU	02/06/2012
MANIKANTA PACHINEELAM	02/06/2012
SIVAKUMAR NAGAPANDI	02/06/2012

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13398200

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NAME OF SUBMITTER:	CANDICE R. ROCKETT
SIGNATURE:	/Candice R. Rockett/
DATE SIGNED:	08/06/2014

Total Attachments: 6

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ASSIGNMENT

For valuable consideration, we, Usha Hanumolu, Yingjiong He, Yufeng Zhou, Manikanta Pachineelam and Sivakumar Nagapandi, hereby assign to SAP AG, a German Corporation, having a place of business at Dietmar-Hopp-Aliee 16, 69190 Walldorf, Germany, and its successors, and assigns (collectively, "the ASSIGNEE") our entire right, title and interest throughout the world in the inventions and improvements that are the subject of a patent document entitled

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which is found in

We authorize and request the attorneys of record or the attorney filing the application to insert into this assignment the filing date and serial number of the application when known.

This assignment includes the foregoing patent application or patent, as well as continuations and divisionals of said application, all legal equivalents in any country, and all patents issuing from such legal equivalents; all patents, utility models, and design registrations granted by any jurisdiction for any of said inventions and improvements; and the right to claim priority based on the filing date of the foregoing patent application or patent 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. We authorize the Assignee to apply in all countries in our names or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements.

We hereby state and agree that no assignment, sale, agreement, or encumbrance has been or will be made or entered into that would conflict with this assignment.

We further agree for ourselves and our respective heirs, legal representatives, and assigns to provide to the Assignee promptly upon its request and at its expense all pertinent facts and documents relating to any of said inventions and improvements or said patents and legal equivalents as may be known and accessible to us and to testify as to the same in any interference, litigation, or proceeding relating thereto; and we agree promptly to perform such lawful acts and to sign such further applications, assignments, statements, and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Inventor's Signatu	me <u>III Waa Kaa</u>	
Witnessed by:	Usha Hanumolu Jo Signa s ue	02/06/28/2 Date
	Print Name	

Inventor's Signati	are Yilly 1914 (L.C	~ /~ /
Witnessed by:	Signature Signature	
	Print Name	

Inventor's Signat	ure Yufeng Zhou	
Witnessed by:	Signature Unit Color	2/6/2011 Date
	Print Name	

Inventor's Signal	ture P.Manillantoye	
and the state of t	Manikanta Pachineelam	
Witnessed by:	<u> </u>	02/06/2012 Date
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	Print Name	

Inventor's Signature

Sivakumar Nagapandi

Witnessed by:

Signature Signature

Print Name

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