PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

Milind S. Kulkami 07/01/2 Puneet Gupta 07/11/2 Balaji Devulapalli 07/10/2 Jameel Ibrahim 07/06/2 Vithal Revankar 07/11/2 Kwasi Foli 07/11/2 RECEIVING PARTY DATA 07/11/2 Steet Address: 601 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 13455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be	SUBMISSION TYPE:		NEW ASSIGNMENT		
Name Exe Milind S. Kulkarni 07/01/2 Puneet Gupta 07/14/2 Balaji Devulapalli 07/16/2 Jameel Ibrahim 07/06/2 Vithal Revankar 07/14/2 Kwasi Foli 07/14/2 RECEIVING PARTY DATA 07/14/2 Name: MEMC Electronic Materials, Inc. Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 CORRESPONDENCE DATA Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US patents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 1: Atusitong Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	ATURE OF CONVEY	ANCE:	ASSIGNMENT		
Milind S. Kulkami 07/01/2 Puneet Gupta 07/11/2 Balaji Devulapalli 07/10/2 Jameel Ibrahim 07/06/2 Vithal Revankar 07/11/2 Kwasi Foli 07/11/2 RECEIVING PARTY DATA 07/11/2 RECEIVING PARTY DATA 07/11/2 RECEIVING PARTY DATA 07/11/2 Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number: 13455483 CORRESPONDENCE DATA Fax Number: Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	CONVEYING PARTY D	ΑΤΑ			
Puneet Gupta 07/14/2 Balaji Devulapalli 07/10/2 Jameet Ibrahim 07/06/2 Vithal Revankar 07/14/2 Kwasi Foli 07/14/2 Kwasi Foli 07/14/2 RECEIVING PARTY DATA 07/14/2 Name: MEMC Electronic Materials, Inc. Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 13455483 CORRESPONDENCE DATA Ta455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105 Intervine address Line 4: Intervine address Line 4:			Name	Execution Date	
Balaji Devulapalli 07/10/2 Jameel Ibrahim 07/06/2 Vithal Revankar 07/14/2 Kwasi Foli 07/14/2 Kwasi Foli 07/14/2 RECEIVING PARTY DATA 07/14/2 Name: MEMC Electronic Materials, Inc. Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 13455483 CORRESPONDENCE DATA Fax Number: State/Country: 314/621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	Milind S. Kulkarni		07/01/2009		
Jameel Ibrahim 07/06/2 Vithal Revankar 07/14/2 Kwasi Foli 07/14/2 Kwasi Foli 07/14/2 RECEIVING PARTY DATA RECEIVING PARTY DATA Name: MEMC Electronic Materials, Inc. Street Address: 601 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	Puneet Gupta		07/14/2009		
Jameel Ibrahim 07/06/2 Vithal Revankar 07/14/2 Kwasi Foli 07/14/2 Kwasi Foli 07/14/2 RECEIVING PARTY DATA RECEIVING PARTY DATA Name: MEMC Electronic Materials, Inc. Street Address: 601 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	Balaji Devulapalli		07/10/2009		
Vithal Revankar 07/14/2 Kwasi Foli 07/14/2 Kwasi Foli 07/14/2 RECEIVING PARTY DATA 07/14/2 Name: MEMC Electronic Materials, Inc. Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 07/14/2 Property Type Number Application Number: 13455483 CORRESPONDENCE DATA Fax Number: Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105			07/06/2009		
Kwasi Foli 07/14/2 RECEIVING PARTY DATA Image: MEMC Electronic Materials, Inc. Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Image: Mumber Application Number: 13455483 CORRESPONDENCE DATA Fax Number: Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105			07/14/2009		
Name: MEMC Electronic Materials, Inc. Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105			07/14/2009		
Name: MEMC Electronic Materials, Inc. Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 Property NUMBERS Total: 1 Property Type Number Number Application Number: 13455483 CORRESPONDENCE DATA State/2007 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105					
Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 13455483 CORRESPONDENCE DATA Fax Number: Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	RECEIVING PARTY DA	ATA			
Street Address: 501 Pearl Drive City: St. Peters State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 13455483 CORRESPONDENCE DATA Fax Number: Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	Name:	MEMC Electronic Materials, Inc.			
State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	1				
State/Country: MISSOURI Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105					
Postal Code: 63376 PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105					
PROPERTY NUMBERS Total: 1 Property Type Number Application Number: 13455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105					
Property Type Number Application Number: 13455483 CORRESPONDENCE DATA 13455483 Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105					
Application Number: 13455483 CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	PROPERTY NUMBERS	S Total: 1			
CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	Property Type		Number		
CORRESPONDENCE DATA Fax Number: (314)612-2307 Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	Application Number:	1345	55483		
Fax Number:(314)612-2307Phone:314-621-5070Email:USpatents@armstrongteasdale.comCorrespondence will be sent to the e-mail address first; if that is unsuccessful, it will be sentvia US Mail.Correspondent Name:Richard A. Schuth (MEMC)Address Line 1:Armstrong Teasdale LLPAddress Line 2:7700 Forsyth Boulevard, Suite 1800Address Line 4:St. Louis, MISSOURI 63105					
Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	CORRESPONDENCE	ATA			
Phone: 314-621-5070 Email: USpatents@armstrongteasdale.com Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	Fax Number:	(314)612-230)7		
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105					
via US Mail. Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	Email:	USpatents@armstrongteasdale.com			
Correspondent Name: Richard A. Schuth (MEMC) Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105	-	. –	-	ill be sent	
Address Line 1: Armstrong Teasdale LLP Address Line 2: 7700 Forsyth Boulevard, Suite 1800 Address Line 4: St. Louis, MISSOURI 63105		Richard A. So	chuth (MEMC)		
Address Line 4: St. Louis, MISSOURI 63105	•				
	Address Line 2:	7700 Forsyth Boulevard, Suite 1800			
ATTORNEY DOCKET NUMBER: 28744-3922 (070026.13)	Address Line 4:	St. Louis, MIS	SSOURI 63105		
11	ATTORNEY DOCKET NUMBER:		28744-3922 (070026.13)		
11				PATENT EEL: 028196 FRAME: 059	

NAME OF SUBMITTER:

Total Attachments: 8

source=ParentAssignment-12771483-1#page1.tif source=ParentAssignment-12771483-1#page2.tif source=ParentAssignment-12771483-1#page3.tif source=ParentAssignment-12771483-1#page4.tif source=ParentAssignment-12771483-1#page5.tif source=ParentAssignment-12771483-1#page6.tif source=ParentAssignment-12771483-1#page7.tif

ASSIGNMENT

WHEREAS, We Milind S. Kulkarni of St. Louis, Missouri, Puneet Gupta of St. Louis, Missouri, Balaji Devulapalli of Chesterfield, Missouri, Jameel Ibrahim of Humble, Texas, Vithal Revankar of Seabrook, Texas, and Kwasi Foli of Columbia, Maryland, have invented an improvement in FLUIDIZED BED REACTOR SYSTEMS AND METHODS FOR REDUCING THE DEPOSITION OF SILICON ON REACTOR WALLS and have executed an application for a United States patent based thereon filed June 29, 2009, assigned Serial No. 12/494,006;

AND, WHEREAS, MEMC Electronic Materials, Inc. of St. Peters, Missouri, a corporation of the State of Delaware (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

AND We hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said

ASSIGNEE;

Page 1 of 7

28744-3164 (070026.1)

PATENT REEL: 028196 FRAME: 0602

ASSIGNMENT

Houston, Aunt fite [St. Louis WHEREAS, We Milind S. Kulkarni of St. Louis, Missouri, Puneet Gupta of St. Menas Missouri, Balaji Devulapalli of Chesterfield, Missouri, Jameel Ibrahim of Humble, Texas, Vithal Revankar of Seabrook, Texas, and Kwasi Foli of Columbia, Maryland, have invented an improvement in FLUIDIZED BED REACTOR SYSTEMS AND METHODS FOR REDUCING THE DEPOSITION OF SILICON ON REACTOR WALLS and have executed an application for a United States patent based thereon filed June 29, 2009, assigned Serial No. 12/494,006;

AND, WHEREAS, MEMC Electronic Materials, Inc. of St. Peters, Missouri, a corporation of the State of Delaware (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, we have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

TO BE HELD AND ENJOYED by said ASSIGNEE, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us had no sale and assignment of said interest been made;

AND We hereby authorize and request the Commissioner of Patents of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

Page 1 of 7

AND We hereby jointly and severally agree for ourselves and for our respective heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND We hereby jointly and severally covenant for ourselves and our respective legal representatives that we have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed our right, title and interest in said invention had not been otherwise encumbered, and that we have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, we have hereunto set our hands.

07/01/

STATE OI COUNTY C

On this <u>1</u> day of <u>2009</u>, 2009, before me, a Notary Public, personally appeared Milind S. Kulkarni tome known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

My Commission Expires:

20,2010

Notary Public

vade

ERIKA ZIADEH Notary Public - Notary Seal State of Missouri Commissioned for St. Charles County My Commission Expires: Jul. 20, 2010 COMMISSION #06917341

Page 2 of 7

Date

Puneet Gupta

atsy N. perind

PATSY N. TREVINC

Notary Public, State of Texas My Commission Expires MAY 2, 2012

STATE OF TEXAS COUNTY OF HARRIS

On this <u>14th</u> day of <u>July</u>, 2009, before me, a Notary Public, personally appeared Puneet Gupta to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Notary Public

My Commission Expires: 5-2-12

Page 3 of 7

07/10/09 Date

Balaji Devulapalli

STATE OF Jussouri COUNTY OF ft, Chades)

On this $\underline{/0}$ day of $\underline{/0}$, 2009, before me, a Notary Public, personally appeared Balaji Devulapalli to ne known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Notary Public

Eirka Ziadeh

PATENT REEL: 028196 FRAME: 0605

My Commission Expires:

10,2010

ERIKA ZIADEH Notary Public - Notary Seal State of Missouri Commissioned for St. Charles County My Commission Expires: Jul. 20, 2010 COMMISSION #06917341

lora 106 neel Ibrahim STATE OF COUNTY

On this $\underline{4}$ day $\delta \underline{4}$ da

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Notary Public

My Commission Expires: $9 \cdot 6 \cdot 7$



4-09

lert

Vithal Revankar

STATE OF TEKAS COUNTY OF Mareis

On this $\underline{14}$ day of $\underline{5}$ day $\underline{5}$, 2009, before me, a Notary Public, personally appeared Vithal Revankar to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Shouna Porton

Notary Public

My Commission Expires:



Page 6 of 7

STATE OF <u>MARYLAND</u> COUNTY OF <u>HOWARD</u>

On this <u>14</u>th day of <u>2009</u>, 2009, before me, a Notary Public, personally appeared Kwasi Foli to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Notary Public

My Commission Expires:

AMANDA A RODGER Notary Public, State of Maryland My Commission Explore Normabir 29, 2010

Page 7 of 7

RECORDED: 05/11/2012