PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Matthew L. Marrocco	11/07/2007
Virgil J. Lee	10/26/2007
Farshad J. Motamedi	09/20/2007

RECEIVING PARTY DATA

Name:	Sumation Co. Limited
Street Address:	27-1, Shinkawa 2-chome
Internal Address:	Chuo-ku
City:	Tokyo
State/Country:	JAPAN
Postal Code:	104-8260

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11816911

CORRESPONDENCE DATA

Fax Number: (312)474-0448

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 312 474 6300

Email: docket@marshallip.com
Correspondent Name: Andrew M. Lawrence
Address Line 1: 233 S. Wacker Drive
Address Line 2: 6300 Sears Tower

Address Line 4: Chicago, ILLINOIS 60606-6357

ATTORNEY DOCKET NUMBER: 31296/CDT863

NAME OF SUBMITTER:

Andrew M. Lawrence

Total Attachments: 9

PATENT REEL: 021343 FRAME: 0129

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> PATENT REEL: 021343 FRAME: 0130

ASSIGNMENT

Serial No: 11/816,911 (PCT/US2006/006565)

Filed: February 22, 2006

Title: High Bandgap Arylene Polymers

For other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to Sumation Co. Limited, 27-1, Shinkawa 2-chome, Chou-Iu, Tokyo, 104-8260, Japan (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for letters patent of the United States, and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, 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 and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS our hands this	7 day of November, 2007.
State of Florida County of Seminole	Matthew L. Marrocco
persons whose names are subscribed to the instrument as their free and voluntary act	day of November, 2007, before me, a State aforesaid, appeared, to me personally known to be the same the foregoing instrument, and acknowledged that they executed said and for the uses and purposes therein expressed. The same day and year last above given. SUZANNE HICKEY Notary Public, State of Florida Commission# DD623304 My comm. expires Dec. 18, 2010 Notary Public
	O Notary Ludic
WITNESS our hands this	day of ,
State of	Virgil J. Lee
Notary Public in and for the County and S persons whose names are subscribed to the instrument as their free and voluntary act	day of
My Commission Expires:	Notary Public
	notary Funic

WITNESS our hands th	nis	day of	3
State of			
County of			
		Farshad J. Motam	edi
On this Notary Public in and for the Coupersons whose names are subscriinstrument as their free and volume WITNESS my hand and	nty and State aforesaid, app ibed to the foregoing instrun	ment, and acknowledged purposes therein exp	ly known to be the same ed that they executed said
My Commission Expires:			Notory Dublic
			Notary Public

ASSIGNMENT

Serial No: 11/8

11/816,911 (PCT/US2006/006565)

Filed:

February 22, 2006

Title:

High Bandgap Arylene Polymers

For other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assign to Sumation Co. Limited, 27-1, Shinkawa 2-chome, Chou-Iu, Tokyo, 104-8260, Japan (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for letters patent of the United States, and in said application and any and all other applications, both in the United States and in other countries, which the undersigned may file or be named as an inventor, either solely or jointly with others, on said invention or improvements, and in any and all letters patent of the United States and other countries, which may be obtained on any of said applications, and in any reissue or extension thereof.

The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, 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 and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS our hands this	day of ,
State of County of	Matthew L. Marrocco
On this day of Notary Public in and for the County and State persons whose names are subscribed to the for instrument as their free and voluntary act and to WITNESS my hand and seal the same	of
My Commission Expires:	Notary Public
WITNESS our hands this State of CAUFORNIA County of SAN BOWAROIN	26 day of OCTOBER, 2007. Virgil J. Lee
	aforesaid, appeared, to me personally known to be the same egoing instrument, and acknowledged that they executed said for the uses and purposes therein expressed.
My Commission Expires: \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Motary Public
JULIE M. NICHOLS Commission # 1705449 Notary Public - California San Bernardino County MyComm. Expres Dec 14, 2010	2 ▶



WITNESS our hands this		day of	
State of			
County of			
		Farshad J. Motame	di
On this Notary Public in and for the County persons whose names are subscribed instrument as their free and voluntar WITNESS my hand and se	and State aforesaid, ap I to the foregoing instru y act and for the uses a	iment, and acknowledge and purposes therein exp	d that they executed said
My Commission Expires:			Notary Public

ASSIGNMENT

Serial No:

11/816,911 (PCT/US2006/006565)

Filed:

February 22, 2006

Title:

High Bandgap Arylene Polymers

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The undersigned hereby authorize and request the Commissioner for Patents to issue said letters patent to said Assignee.

The undersigned warrant themselves to be the owners of the interest herein assigned and to have the right to make this assignment and further warrant that there are no outstanding prior assignments, licenses, or other rights in the interest herein assigned except in favor of Assignee.

For said consideration the undersigned hereby agree, upon the request and at the expense of said Assignee, its successors and assigns, to execute any and all applications on said invention or improvements, and any necessary oath or affidavit relating thereto, and any application for the reissue or extension of any letters patent that may be granted upon any and all of said applications, and any and all applications and other documents for letters patent in other countries on said invention or improvements, that said Assignee, its successors or assigns, may deem necessary or expedient, and for said consideration the undersigned further agree upon the request of said Assignee, its successors or assigns, in the event of any application or letters patent assigned herein becoming involved in Interference or Opposition, to cooperate to the best of the ability of the undersigned with said Assignee, its successors or assigns, in the matters of preparing and executing the preliminary statement and giving and producing evidence in support thereof, the undersigned hereby agreeing to perform, upon request, any and all affirmative acts to obtain said letters patent, both in the United States and in other countries, and vest all rights therein hereby conveyed in said Assignee, its successors and assigns, whereby said letters patent will be held and enjoyed by said Assignee, its successors and assigns, 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 and enjoyed by the undersigned if this assignment and sale had not been made.

WITNESS our hands this	day of .
State of	
County of	Matthew L. Marrocco
	Watthew E. Wallocco
On this day of	of , before me, a
Notary Public in and for the County and State	of , , before me, a aforesaid, appeared, to me personally known to be the same
persons whose names are subscribed to the for instrument as their free and voluntary act and f	egoing instrument, and acknowledged that they executed said
WITNESS my hand and seal the sam	e day and year last above given.
My Commission Expires:	
	Notary Public
WITNESS our hands this	day of ,
State of	
County of	X7: 17 X
	Virgil J. Lee
On this day of	of . before me, a
Notary Public in and for the County and State	of , , before me, a aforesaid, appeared, to me personally known to be the same
persons whose names are subscribed to the for	egoing instrument, and acknowledged that they executed said
instrument as their free and voluntary act and f WITNESS my hand and seal the sam	
My Commission Expires:	
	Notary Public

WITNESS our hands this State of	20th day of September, 2007.
County of fos Pagelos	Farshad J. Motamedi
Notary Public in and for the County and persons whose names are subscribed to to instrument as their free and voluntary ac	day of September, Zool , before me, a State aforesaid, appeared, to me personally known to be the same the foregoing instrument, and acknowledged that they executed said and for the uses and purposes therein expressed. The same day and year last above given.
My Commission Expires:	4-12-2008 Slattle Notary Public
	S. ROHDE Commission # 1476682 Notary Public — California Los Angeles County My Comm. Expires Apr 12, 2008