

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4545421

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JAMES G. OWEN	08/03/2017
KEERTHI GURIJALA	07/31/2017
EERA GUPTA	07/19/2017
ROY E. LURIE	08/07/2017
MICHELLE D. ERICKSON	08/07/2017
RALF HILLEBRAND	07/21/2017
ALEXANDER RENSMANN	07/21/2017
BENJAMIN V. HINKLE	07/19/2017
OLIVER KLUGE	07/21/2017
FELIX ALVAREZ	07/31/2017
ALEXANDER ZAK	07/20/2017
ABIGAIL S. SKOFIELD	07/20/2017
CLAUDIA G. WEY	08/07/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE MATHWORKS, INC.
<b>Street Address:</b>	3 APPLE HILL DRIVE
<b>City:</b>	NATICK
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01760-2098
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15610227
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(571)432-0808
<i>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.</i>	
<b>Phone:</b>	5714320800
<b>Email:</b>	Jcato@harrityllp.com
<b>Correspondent Name:</b>	HARRITY AND HARRITY, LLP
<b>Address Line 1:</b>	11350 RANDOM HILLS ROAD

PATENT

<b>Address Line 2:</b>	SUTIE 600
<b>Address Line 4:</b>	FAIRFAX, VIRGINIA 22030

<b>ATTORNEY DOCKET NUMBER:</b>	0069-0376CP1
<b>NAME OF SUBMITTER:</b>	NEIL R. KARDOS
<b>SIGNATURE:</b>	/Neil R. Kardos, Reg. No. 67,238/
<b>DATE SIGNED:</b>	08/10/2017

**Total Attachments: 15**

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**ASSIGNMENT  
(Joint)  
Worldwide Rights**

THIS ASSIGNMENT, by James G. OWEN, Keerthi GURIJALA, Eera GUPTA, Roy E. LURIE, Michelle D. ERICKSON, Ralf HILLEBRAND, Alexander RENSMANN, Benjamin V. HINKLE, Oliver KLUGE, Felix ALVAREZ, Alexander ZAK, Abigail S. SKOFIELD, and Claudia G. WEY residing at 95 Century Mill Road, Bolton, MA 01740, U.S.; 7 Shattuck Street, Apt H 232, Natick, MA 01760, U.S.; 1300 Worcester Road, Apt 110, Framingham, MA 01702, U.S.; 18 Lowell Road, Natick, MA 01760, U.S.; 79 Myrtle Street, Apt 2, Watertown, MA 02472, U.S.; Greitelweg, Paderborn 33102, Germany; Zur Schmiede, Paderborn 33098, Germany; 471 Washington Street, Apt 7, Brookline, MA 02446, U.S.; Detmolder Straße, Oerlinghausen, 33813, Germany; 10 Nouvelle Way, Apt T623, Natick, MA 01760, U.S.; 8 Whittier Place, Apt 17 E, Boston, MA 02114, U.S.; 179 Main Street, Bolton, MA 01740, U.S.; and 18 Bald Rock Road, Wayland, MA 01778, U.S. (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in GENERATING CODE BASED ON USER INTERACTIONS WITH A USER INTERFACE ELEMENT IN A CODE EDITOR set forth in an application for Letters Patent of the United States,

- (1) ☐ which is a provisional application  
(a) ☐ filed herewith; or  
(b) ☐ bearing Application No. \_\_\_\_\_, and filed on \_\_\_\_\_; or
- (2) ☒ which is a non-provisional application  
(a) ☒ bearing Application No. 15/610,227, and filed on May 31, 2017; or  
(b) ☐ filed herewith; and

We hereby authorize Applicants' representative to fill in the preceding information relating to the filing date and/or serial number, as appropriate.

WHEREAS, The MathWorks, Inc., a corporation of the state of Delaware, having its principal place of business at 3 Apple Hill Drive, Natick, Massachusetts 01760-2098 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application or from which said application claims priority, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, any previously or subsequently filed provisional applications, and in and to any and all applications claiming priority to said applications, including divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

James G. OWEN  
95 Century Mill Road,  
Bolton, MA 01740 US

Signature: *James G. Owen*

Date: 08/03/2017

State of Massachusetts )  
County of Middlesex ) ss:

On this 3<sup>rd</sup> day of August, 2017, before me, Marilyn P. Carrara Notary Public, personally appeared James G. OWEN personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



**MARILYN P. CARRARA**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 11, 2023

[Notary's Seal Here]

WITNESS my hand and official seal.

*Marilyn P. Carrara*  
Signature of Notary Public

My Commission Expires: May 11, 2023

IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

Keerthi GURIJALA

89  
~~7 Shattuck Street, Apt 11, 222~~ 25 Woodbine Rd.  
Natick, MA 01760 US Apt #12

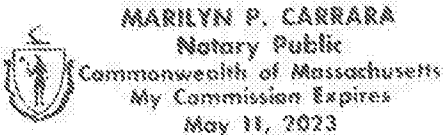
Signature: [Signature]

Date: 07/31/17

State of Massachusetts )

County of Middlesex ) ss:

On this 31<sup>st</sup> day of July, 2017, before me, Marilyn P. Carrara, Notary Public, personally appeared Keerthi GURIJALA personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



WITNESS my hand and official seal.

[Signature]  
Signature of Notary Public  
My Commission Expires: May 11, 2023

[Notary's Seal Here]

IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

Eera GUPTA  
1300 Worcester Road, Apt 110,  
Framingham, MA 01702 US

Signature: 

Date: 07/19/2017

State of Massachusetts )  
County of Middlesex ) ss:

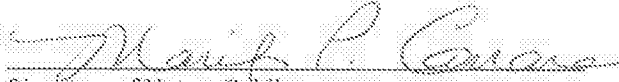
On this 19<sup>th</sup> day of July, 2017, before me, Marilyn P. Carrara, Notary Public, personally appeared Eera GUPTA personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



**MARILYN P. CARRARA**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 11, 2023

[Notary's Seal Here]

WITNESS my hand and official seal.

  
Signature of Notary Public  
My Commission Expires: May 11, 2023





IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

Michelle D. ERICKSON  
79 Myrtle Street, Apt 2,  
Watertown, MA 02472 US

Signature:

*Michelle Erickson*

Date:

*8/7/17*

State of Massachusetts )

County of *Middlesex* ) ss.

On this *7<sup>th</sup>* day of *August*, 2017, before me, *Marilyn P. Carrara* Notary Public, personally appeared *Michelle D. ERICKSON* personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



**MARILYN P. CARRARA**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 11, 2023

WITNESS my hand and official seal.

*Marilyn P. Carrara*  
Signature of Notary Public

My Commission Expires: *May 11, 2023*

[Notary's Seal Here]

IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

Ralf HILLEBRAND  
Greitelersweg  
Paderborn 33102 DE

Signature: H. Hillebrand

Date: July 21, 2017

Witness Signature: AS

Date: July 21, 2017

Witness Name: Andreas Sotgatz

Witness Signature: M. Knoll


Date: July 21, 2017

Witness Name: Martin Knoll

IN TESTIMONY WHEREOF, I have hereunto set my hand.

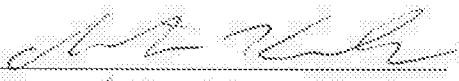
IN WITNESS WHEREOF, I hereto set my hand.

Alexander RENSMANN  
Zur Schmiede,  
Paderborn 33098 DE

Signature:   
Date: July 21, 2017

Witness Signature:   
Witness Name: Andreas Sorgatz

Date: July 21, 2017

Witness Signature:   
Witness Name: Martin Kneibler

Date: July 21, 2017

IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

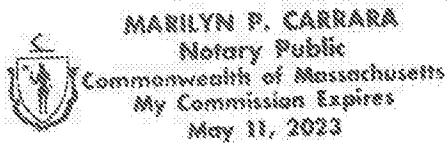
Benjamin V. HINKLE  
471 Washington St. Apt 7  
Brookline, MA 02446 US

Signature: Benjamin Hinkle

Date: 7/19/17

State of Massachusetts )  
County of Middlesex ) ss.

On this 19<sup>th</sup> day of July, 2017, before me, Marilyn P. Carrara Notary Public, personally appeared Benjamin V. HINKLE personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



[Notary's Seal Here]

WITNESS my hand and official seal.

Marilyn P. Carrara  
Signature of Notary Public  
My Commission Expires: May 11, 2023

IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

Oliver KLUGE  
Detmolder Straße,  
Gerlinghausen, 33813 DE

Signature: 

Date: July 21, 2017

Witness Signature: 

Date: July 21, 2017

Witness Name: Andreas Sorgatz

Witness Signature: 

Date: July 21, 2017

Witness Name: Martin Knellhagen

IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

(209)  
Felix ALVAREZ 204 2nd St  
10 Nouvelle Way, Apt 1623,  
Natick, MA 01760 US


Signature: [Signature]

Date: 7/31/17

State of Massachusetts )

County of Middlesex ) ss:

On this 31<sup>st</sup> day of July, 2017, before me, Marilyn P. Carrara, Notary Public, personally appeared Felix ALVAREZ personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

 **MARILYN P. CARRARA**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 11, 2023

[Notary's Seal Here]

WITNESS my hand and official seal.

[Signature]  
Signature of Notary/Public

My Commission Expires: May 11, 2023

IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

Alexander ZAK  
8 Whittier Pl., Apt 17 E,  
Boston, MA 02114 US

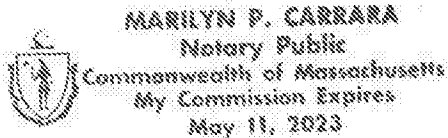
Signature: \_\_\_\_\_

Date: 7/20/17

State of Massachusetts )

County of Middlesex ) ss

On this 20<sup>th</sup> day of July, 2017, before me, Marilyn P. Carrara, Notary Public, personally appeared Alexander ZAK personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



[Notary's Seal Here]

WITNESS my hand and official seal.

Marilyn P. Carrara  
Signature of Notary Public  
My Commission Expires: May 11, 2023

IN TESTIMONY WHEREOF, I have hereunto set my hand.

IN WITNESS WHEREOF, I hereto set my hand.

Abigail S. SKOFIELD  
179 Main Street, Bolton,  
MA 01740 US

Signature: Abigail S. Skofield  
Date: 7/20/17

State of Massachusetts )  
County of Middlesex ) ss.

On this 20 day of July, 2017, before me, Marilyn P. Carrara Notary Public,  
personally appeared Abigail S. SKOFIELD personally known to me (or proved to me on the basis of satisfactory  
evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that  
he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the  
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



**MARILYN P. CARRARA**  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
May 11, 2023

[Notary's Seal Here]

WITNESS my hand and official seal.

Marilyn P. Carrara  
Signature of Notary Public  
My Commission Expires: May 11, 2023



IN TESTIMONY WHEREOF, I have hereunto set my hand.

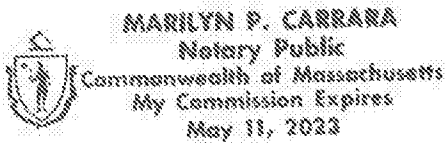
IN WITNESS WHEREOF, I hereto set my hand

Claudia G. WEY  
18 Bald Rock Road,  
Wayland, MA 01778 US

Signature: Claudia Wey  
Date: AUG 7, 2017

State of Massachusetts )  
County of Middlesex ) ss:

On this 7<sup>th</sup> day of August, 2017, before me, Marilyn P. Carrara Notary Public, personally appeared Claudia G. WEY personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity, and that by his/her/their signature on the instrument the person(s) or the entity upon behalf of which the person(s) acted, executed the instrument.



[Notary's Seal Here]

WITNESS my hand and official seal.

Marilyn P. Carrara  
Signature of Notary Public  
My Commission Expires: May 11, 2023