

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ROBERT FITZGERALD | 05/13/2019 |
| RONAN DOWD | 05/13/2019 |
| MICHEAL WALSH | 05/13/2019 |
| RECEIVING PARTY DATA | |
| Name: | EMC IP HOLDING COMPANY LLC |
| Street Address: | 176 SOUTH STREET |
| City: | HOPKINTON |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 01748 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16410445 |
| CORRESPONDENCE DATA | |
| Fax Number: | |
| <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> | |
| Phone: | 508-898-8601 |
| Email: | docketing@WESTBORO-IP.COM |
| Correspondent Name: | MUIRHEAD AND SATURNELLI, LLC |
| Address Line 1: | 200 FRIBERG PARKWAY, SUITE 1001 |
| Address Line 4: | WESTBOROUGH, MASSACHUSETTS 01581 |
| ATTORNEY DOCKET NUMBER: | EMS-764US |
| NAME OF SUBMITTER: | ANNE E. SATURNELLI |
| SIGNATURE: | /Anne E. Saturnelli/ |
| DATE SIGNED: | 05/13/2019 |
| Total Attachments: 4 | |
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ASSIGNMENT

WHEREAS, we, Robert FITZGERALD, Ronan DOWD and Micheal WALSH, have invented an invention comprising and/or embodying certain improvements or discoveries or both as described in an application for Letters Patent of the United States entitled TECHNIQUES FOR USER INTERFACE COMPONENTS, the specification of which:

- ☒ [X] is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☐ [] was filed on _____ as U.S. Application No. _____;
- ☐ [] was patented under U.S. Patent No. _____ on _____.

WHEREAS, EMC IP HOLDING COMPANY LLC (hereinafter "ASSIGNEE"), which is a corporation organized and existing under the laws of Delaware and having a usual place of business at 176 South Street, Hopkinton, Massachusetts 01748 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 by us had this assignment and sale not been made; we hereby convey to ASSIGNEE all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

AND, we hereby authorize attorneys of Muirhead and Saturnelli, LLC to insert here in parenthesis (16/410,445 filed May 13, 2019) the application number and filing date of said Application (or foreign counterpart application) to facilitate the recording or other official processing of this Assignment.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals as set forth below:

Date: 13/05/2019 Robert Fitzgerald.
Inventor's Signature

Print full name of first inventor: **Robert FITZGERALD**
Residence: 65 Millers Court, Old Quarter, Ballincollig
P38 F858, Cork, IRELAND
Citizenship: Ireland
Mailing Address: Same as above

I, PAUL BARRY (name) whose residential address is 38 Woodview, Fionn Laidi, Ballincollig Co. Cork was personally present and did see ROBERT FITZGERALD (name of person signing the assignment) who is personally known to me, execute the above assignment.

Paul Barry. (signature of first witness)

Signed at DELL EMC, Ovens, Cork (location of witness signature)

on this day May 13th of 2019. (date of signature)

I, WIOLETTA STEPNIAK (name) whose residential address is 318 RIVER TOWERS, CORK was personally present and did see ROBERT FITZGERALD (name of person signing the assignment) who is personally known to me, execute the above assignment.

Wioletta Stepniak (signature of second witness)

Signed at DELL EMC, OVENS (location of witness signature)

on this day MAY 13th of 2019. (date of signature)

Date:

13/05/19

Inventor's Signature

Print full name of second inventor:

Residence:

Citizenship:

Mailing Address:

Ronan DOWD

31 The Crescent, Castlerock, Midleton

Cork, IRELAND

Ireland

Same as above

I, LIAM DOWD (name) whose residential address is BALLYANAN, MIDLETON, CORK, IRELAND was personally present and did see RONAN DOWD (name of person signing the assignment) who is personally known to me, execute the above assignment.

(signature of first witness)

Signed at 31 THE CRESCENT (location of witness signature)

on this day 13TH of 2019 (date of signature)

I, AUDREY DOWD (name) whose residential address is 31 THE CRESCENT, CASTLEROCK, MIDLETON, CORK, IRELAND was personally present and did see RONAN DOWD (name of person signing the assignment) who is personally known to me, execute the above assignment.

(signature of second witness)

Signed at 31 THE CRESCENT (location of witness signature)

on this day 13TH of 2019 (date of signature)

Date: 13/05/2019

Micheal Walsh
Inventor's Signature

Print full name of third inventor:

Micheal WALSH

Residence:

2 Coolmaine Mews, Kinsale Manor, Kinsale
P17 HD25, Cork, IRELAND

Citizenship:

Ireland

Mailing Address:

Same as above

I WIOLETTA STERNIAK (name) whose residential address is
318 RIVER TOWERS, CORK was
personally present and did see MICHEAL WALSH (name of person signing the
assignment) who is personally known to me, execute the above assignment.

Wioletta Sterniak (signature of first witness)

Signed at DELL EMC, OVENS (location of witness signature)

on this day MAY 13th of 20 19. (date of signature)

I PAUL BARRY (name) whose residential address is
38 Woodview, Fionn Laid, Bellinacorney, Co. Cork was
personally present and did see MICHEAL WALSH (name of person signing the
assignment) who is personally known to me, execute the above assignment.

Paul Barry (signature of second witness)

Signed at Dell EMC, Ovens, Cork (location of witness signature)

on this day May 13th of 20 19. (date of signature)