502762731 04/10/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2809327

| SUBMISSION TYPE: | NEW ASSIGNMENT | |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | |

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| MR. JONATHAN DIGGINS | 01/06/2014 |
| MR PAUL BRASNETT | 01/06/2014 |

RECEIVING PARTY DATA

| Name: | Imagination Technologies, Ltd. | |
|-------------------|--------------------------------|--|
| Street Address: | Imagination House | |
| Internal Address: | Home Park Estate | |
| City: | Kings Langley | |
| State/Country: | UNITED KINGDOM | |
| Postal Code: | WD4 8LZ | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 14157791 |

CORRESPONDENCE DATA

Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via

US Mail.

Phone: 415-906-3887

Email: mike.garrabrants@imgtec.com

Correspondent Name: MICHAEL S. GARRABRANTS

Address Line 1:

Address Line 1: 955 EAST ARQUES AV.

Address Line 4: SUNNYVALE, CALIFORNIA 94085

| ATTORNEY DOCKET NUMBER: | 8246.089.NPUS00 | |
|-------------------------|-------------------------|--|
| NAME OF SUBMITTER: | MICHAEL S. GARRABRANTS | |
| SIGNATURE: | /MICHAEL S.GARRABRANTS/ | |
| DATE SIGNED: | 04/10/2014 | |

Total Attachments: 4

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> PATENT REEL: 032649 FRAME: 0016

502762731

ASSIGNMENT (Joint Inventors)

Paul BRASNETT & Jonathan DIGGINS (hereinafter referred to as the "Assignors") witness:

WHEREAS, said Assignors have jointly invented certain new and useful improvements in: "PIXEL CLUSTERING", as set forth in the U.S. UTILITY application filed herewith:

WHEREAS, Imagination Technologies, Limited, a company duly organized under and pursuant to the laws of United Kingdom, and having a principal place of business at Imagination House, Home Park Estate, Kings Langley, Hertfordshire, WD4 8LZ, UK (hereinafter referred to as the "Assignee"), is desirous of acquiring Assignors' entire right, title and interest in and to said inventions and applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, to be obtained therefor and thereon, and all incident rights and privileges accorded in law, equity and treaty:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, said Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives and assigns:

- all of Assignors' interest in the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America, all countries, and any other entity, now in existence, or created hereafter, capable of granting a property interest in such inventions, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues, reexaminations, or extensions of said Letters Patent or Patents,
- all rights under the International Convention for the Protection of Industrial Property, including the right to claim priority, the same to be held and enjoyed by said 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 Assignors, had this sale and assignment not been made;
- any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and
- any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, misappropriation, violation, misuse, breach or default, with the right, but without obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages, and any other right or privilege or chose in action arising under law,

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equity or treaty not expressed identified above.

FOR THE SAME CONSIDERATION, said Assignors hereby covenant and agree to and with said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said Assignors have made no assignment or hypothecation or encumbrance in conflict with the sale, assignment, and transfer set forth above.

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

IN WITNESS WHEREOF, ASSIGNORS have duly executed this document as of the date below.

| Ву: | Pan/ | Saral | Xt. | | |
|-----|------|-------|-----|--|--|
| | | | | | |

Name: Paul BRASNETT
Date: 6th January 2014

Ву:_____

Name: Jonathan DIGGINS

Date:

ASSIGNMENT (Joint Inventors)

Paul BRASNETT & Jonathan DIGGINS (hereinafter referred to as the "Assignors") witness:

WHEREAS, said Assignors have jointly invented certain new and useful improvements in: "PIXEL CLUSTERING", as set forth in the U.S. UTILITY application filed herewith:

WHEREAS, Imagination Technologies, Limited, a company duly organized under and pursuant to the laws of United Kingdom, and having a principal place of business at Imagination House, Home Park Estate, Kings Langley, Hertfordshire, WD4 8LZ, UK (hereinafter referred to as the "Assignee"), is desirous of acquiring Assignors' entire right, title and interest in and to said inventions and applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, to be obtained therefor and thereon, and all incident rights and privileges accorded in law, equity and treaty:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, said Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives and assigns:

- all of Assignors' interest in the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America, all countries, and any other entity, now in existence, or created hereafter, capable of granting a property interest in such inventions, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues, reexaminations, or extensions of said Letters Patent or Patents,
- all rights under the International Convention for the Protection of Industrial Property, including the right to claim priority, the same to be held and enjoyed by said 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 Assignors, had this sale and assignment not been made;
- any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and
- any and all claims and causes of action, with respect to any of the foregoing, whether accruing before, on and/or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, misappropriation, violation, misuse, breach or default, with the right, but without obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages, and any other right or privilege or chose in action arising under law,

Page 1 of 2

equity or treaty not expressed identified above.

FOR THE SAME CONSIDERATION, said Assignors hereby covenant and agree to and with said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said Assignors have made no assignment or hypothecation or encumbrance in conflict with the sale, assignment, and transfer set forth above.

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

IN WITNESS WHEREOF, ASSIGNORS have duly executed this document as of the date below.

| ву: | |
|---|--|
| Name: Paul BRASNETT Date: | |
| By: The Popul | |
| Name: Jonathan DIGGINS Date: 6 JAN 2014 | |