

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5199245

| | |
|---|---|
| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT |
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the INVENTOR NAMES ORIGINALLY SUBMITTED ON THE COVER AS: YAN YE YUNG HE YUWEN HE RALPH NEFF previously recorded on Reel 035788 Frame 0633. Assignor(s) hereby confirms the INVENTOR NAMES AS CORRECTLY LISTED ON THE ASSIGNMENT: YAN YE YONG HE YUWEN HE RALPH NEFF. |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| YAN YE | 04/23/2015 |
| YONG HE | 04/23/2015 |
| YUWEN HE | 04/23/2015 |
| RALPH NEFF | 04/23/2015 |
| RECEIVING PARTY DATA | |
| Name: | VID SCALE, INC. |
| Street Address: | 200 BELLEVUE PARKWAY |
| Internal Address: | SUITE 300 |
| City: | WILMINGTON |
| State/Country: | DELAWARE |
| Postal Code: | 19809-3727 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14581488 |
| CORRESPONDENCE DATA | |
| Fax Number: | (302)281-3766 |
| <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: | 302-281-3600 |
| Email: | DOCKETING@INTERDIGITAL.COM |
| Correspondent Name: | DOCKETING |
| Address Line 1: | 200 BELLEVUE PARKWAY |
| Address Line 2: | SUITE 300 |
| Address Line 4: | WILMINGTON, DELAWARE 13809-3727 |
| ATTORNEY DOCKET NUMBER: | 12023US02 |
| NAME OF SUBMITTER: | THEODORE NACCARELLA |

| | |
|--|-----------------------|
| SIGNATURE: | /Theodore Naccarella/ |
| DATE SIGNED: | 10/22/2018 |
| Total Attachments: 7 source=assignment-pat-035788-0633#page1.tif source=assignment-pat-035788-0633#page2.tif source=assignment-pat-035788-0633#page3.tif source=assignment-pat-035788-0633#page4.tif source=assignment-pat-035788-0633#page5.tif source=assignment-pat-035788-0633#page6.tif source=assignment-pat-035788-0633#page7.tif | |

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3383061

| | |
|---|---------------------------------|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| YAN YE | 04/23/2015 |
| YUNG HE | 04/23/2015 |
| YUWEN HE | 04/23/2015 |
| RALPH NEFF | 04/30/2015 |
| RECEIVING PARTY DATA | |
| Name: | VID SCALE, INC |
| Street Address: | 200 BELLEVUE PARKWAY |
| Internal Address: | SUITE 300 |
| City: | WILMINGTON |
| State/Country: | DELAWARE |
| Postal Code: | 19809-3727 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 14581488 |
| CORRESPONDENCE DATA | |
| Fax Number: | (302)281-3766 |
| <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: | 3022813600 |
| Email: | Docketing@Interdigital.com |
| Correspondent Name: | DOCKETING |
| Address Line 1: | 200 BELLEVUE PARKWAY |
| Address Line 2: | SUITE 300 |
| Address Line 4: | WILMINGTON, DELAWARE 19809-3727 |
| ATTORNEY DOCKET NUMBER: | 33023 |
| NAME OF SUBMITTER: | THEODORE NACARELLA |
| SIGNATURE: | /Theodore Naccarella/ |
| DATE SIGNED: | 06/04/2015 |
| Total Attachments: 5 | |

source=12023US02_Executed Assignment#page1.tif
source=12023US02_Executed Assignment#page2.tif
source=12023US02_Executed Assignment#page3.tif
source=12023US02_Executed Assignment#page4.tif
source=12023US02_Executed Assignment#page5.tif

WORLDWIDE ASSIGNMENT

WHEREAS:

- | | |
|---|--|
| <p>1. Yan Ye 5001 Pearlman Way San Diego, CA 92130 United States of America</p> | <p>3. Yuwen He 13542 Silver Vine Path San Diego, CA 92130 United States of America</p> |
| <p>2. Yong He 16961 Silver Pine Road San Diego, CA 92127 United States of America</p> | <p>4. Ralph Neff 11438 Honey Ridge San Diego, CA 92130 United States of America</p> |

(hereinafter "Assignors") have invented a certain invention currently entitled:

METHODS, APPARATUS AND SYSTEMS FOR SCALABLE VIDEO CODING WITH MIXED INTERLACE AND PROGRESSIVE CONTENT

for which an application for a patent of the United States on December 23, 2014, under U.S. Patent Application Serial No. 14/581,488 has been filed, and

WHEREAS, VID SCALE, Inc. having a place of business at 200 Bellevue Parkway, Suite 300, Wilmington, DE 19809 (hereinafter "Assignee"), a corporation of Delaware is desirous of acquiring the entire right, title and interest in and to the aforementioned patent application (hereinafter "Application"), and the invention(s) disclosed therein and in and to all embodiments and improvements of the invention(s), conceived, made or discovered by Assignors (hereinafter "Invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patents") thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in deliberation of good and valuable consideration acknowledged by Assignors to have been received in full from Assignee:

1. Assignors hereby sell, assign, transfer and convey to Assignee full and exclusive right, title and interest (a) in and to Application and Invention; (b) in and to all rights to apply for patents covering the Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all Patents granted, covering the Invention, in any and all countries and groups of countries, including each and every application filed and each and every Patent granted on any application which is a division, substitution, continuation, or continuation-in-part of the Application; (d) in and to each and every reissue or extension of any of the Patents; and (e) including our full right to sue for and collect damages for past violations of Assignor's rights in and to the Application and Invention including but not limited to provisional rights having arisen from any publication of the Application or any continuations, continuations-in-part, divisions.
2. Assignors hereby covenant and agree to cooperate with Assignee to enable Assignee to enjoy to the fullest extent the right, title and interest to the Invention herein conveyed in any and all countries and groups of countries. Such cooperation by Assignors, in general, shall include doing everything possible to aid Assignee to obtain and enforce, for benefit of Assignee, proper patent protection for the Invention in any and all countries; and in particular, such cooperation by Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by Assignee (a) for perfecting in Assignee the right, title and interest herein conveyed; (b) for prosecuting the Application, or related applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering embodiments of the Invention; (d) for filing and prosecuting applications for reissuance of any of the Patents; (e) for interference or other priority proceedings involving the Invention; and (f) for legal proceedings involving the Invention and any application therefore and any Patents granted thereon.

including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions.

3. Assignors hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty is to issue patents on applications as aforesaid, to issue to Assignee, as Assignee of the entire right, title and interest, any and all Patents that may be issued and granted on or as a result of the Application in accordance with the terms of this Assignment.
4. Assignors hereby warrant and represent that Assignors have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
5. The term and covenants of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignors and Assignors' respective heirs, legal representatives and assigns.
6. Assignors hereby authorize Assignee, its attorneys or agents, to insert into this Assignment the correct Application Number and/or Filing Date, if none is indicated on the date of Assignors' execution of this Assignment.
7. This Assignment should be deemed effective as of December 23, 2014.
8. This Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, Assignors hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, Assignors have executed and delivered this instrument to Assignee on the date(s) indicated below.

4/23/2015
Date

[Signature]
Yan Ye

Signed at 9710 Scranton Road, #250
San Diego, CA 92121, USA
(City) (Country)

STATEMENT OF WITNESS: I, Julia McDonagh
Name of Witness

whose full address is: 9710 Scranton Road, #250
San Diego, CA 92121, USA
Address of Witness

was personally present and did see Yan Ye execute this Assignment on the 23rd day of April, 2015, and such Assignor is personally known to me to be the person described herein.

[Signature]
Signature of Witness

4/23/15 He
Date 9710 Scranton Road, #250g He
San Diego, CA 92121, USA
Signed at _____
(City) (Country)

STATEMENT OF WITNESS: I, Julie McDonough
Name of Witness
9710 Scranton Road, #250
whose full address is: San Diego, CA 92121, USA
Address of Witness

was personally present and did see Yong He execute this Assignment on the 23rd day of April,
2015, and such Assignor is personally known to me to be the person described herein.

Julie McDonough
Signature of Witness

Date 04/23/2015 Yuwen He
Date 9710 Scranton Road, #250
Signed at San Diego, CA 92121, USA
(City) (Country)

STATEMENT OF WITNESS: I, _____

Julie McDonald
Name of Witness

whose full address is: 9710 Scranton Road, #250
San Diego, CA 92121, USA
Address of Witness

was personally present and did see Yuwen He execute this Assignment on the 23rd day of April,
2015, and such Assignor is personally known to me to be the person described herein.

Julie McDonald
Signature of Witness

Date

4/30/2015Ralph Neff
9710 Scranton Road, #250
San Diego, CA 92121, USA

Signed at

(City)

(Country)

STATEMENT OF WITNESS: I, _____

Julio McDonough
Name of Witness

whose full address is:

9710 Scranton Road, #250
San Diego, CA 92121, USA

Address of Witness

was personally present and did see Ralph Neff execute this Assignment on the 30th day of April,
2015, and such Assignor is personally known to me to be the person described herein.

Julio McDonough
Signature of Witness