

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | |
| NATURE OF CONVEYANCE: | ASSIGNMENT | |
| CONVEYING PARTY DATA | | |
| | Name | Execution Date |
| | MICHAEL KOPIETZ | 10/25/2018 |
| RECEIVING PARTY DATA | | |
| Name: | ZENIMAX MEDIA INC. | |
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| Internal Address: | SUITE 120 | |
| City: | ROCKVILLE | |
| State/Country: | MARYLAND | |
| Postal Code: | 20850 | |
| PROPERTY NUMBERS Total: 1 | | |
| | Property Type | Number |
| | Application Number: | 16391898 |
| CORRESPONDENCE DATA | | |
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| <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> | | |
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| ATTORNEY DOCKET NUMBER: | 139127.00160 | |
| NAME OF SUBMITTER: | MICHAEL C. GREENBAUM | |
| SIGNATURE: | /MICHAEL C. GREENBAUM/ | |
| DATE SIGNED: | 06/27/2019 | |
| Total Attachments: 4 | | |
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ASSIGNMENT

THIS ASSIGNMENT, made on the date set forth below by Michael KOPIETZ, having a place of business at Schillerstrasse 15-17, Frankfurt, Germany D60313 (hereinafter referred to as "Assignor"), witnesseth:

WHEREAS, said Assignor has invented certain new and useful improvements described in certain United States Patent Applications set forth in Schedule A (hereinafter referred to as the "Patent Applications"),

WHEREAS, ZeniMax Media Inc., having its principal place of business at 1370 Piccard Drive, Suite 120, Rockville, MD 20850 (hereinafter referred to as "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions and said Patent Applications for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the said Assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to any inventions, Patent Applications, applications for Letters Patent, and any and all Letters Patent or Patent Applications set forth in Schedule A in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Patent Applications, Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, and all rights of priority resulting from the filing of the Patent

Applications and/or rights to claim priority from the Patent Applications, the same to be held and enjoyed by the said Assignee, for its own use and behoof and the use and behoof 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 said Assignor hereby covenants and agrees to and with the said Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said Assignor is the sole and lawful owner of the entire right, title and interest in to the Patent Applications listed in Schedule A, and that the same are unencumbered and that the said Assignor has 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 said Assignor hereby covenants and agrees to and with the said Assignee, its successors, legal representatives and assigns, that the said Assignor will, whenever counsel of the said 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 any proceeding in connection with Letters Patent for said inventions in any country, including post-grant proceedings (including interference proceedings, post-grant review, Inter Partes Review, Reexamination, derivation, Supplemental Examination and Reissue), is lawful and desirable, that any division, continuation or continuation-in-part of any application for Letters Patent, post-grant proceeding, or reissue or extension of any Letters Patent, 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, validity and defense of Letters Patent for said inventions in any country, without

charge to the said Assignor, its successors, legal representatives and assigns, but at the cost and expense of the said Assignee, its successors, legal representatives and assigns.

AND said Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to the said Assignee, as the assignee of said inventions and Patent Applications in Schedule A to be issued thereon for the sole use and behoof of the said Assignee, its successors, legal representatives and assigns.

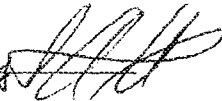
The undersigned hereby grants the firm of Blank Rome LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

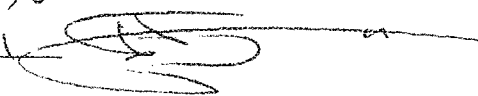


Michael KOPIETZ

25.10.2018

Date

Witness Andreschikov Eugeny 

Witness Johan I. Dordick 

| SCHEDULE A U.S. Patent Applications | | | |
|--|--|-------------|----------|
| Application No. | Title | Filing Date | Inventor |
| 15/958,499 | Systems and Methods for Game-Generated Motion Vectors | 04/20/2018 | Kopietz |
| 15/958,574 | Systems and Methods for Deferred Post-Processes in Video Encoding | 04/20/2018 | Kopietz |
| 15/958,610 | Systems and Method for Rendering & Pre-Encoded Load Estimation Based Encoder Hinting | 04/20/2018 | Kopietz |
| 15/958,647 | Systems and Method for Rendering & Pre-Encoded Load Estimation Based Encoder Hinting | 04/20/2018 | Kopietz |
| 15/958,919 | Systems and Methods for Player Input Motion Compensation by Anticipating Motion Vectors And/Or Caching Repetitive Motion Vectors | 04/20/2018 | Kopietz |
| 15/958,979 | Systems and Methods for Player Input Motion Compensation by Anticipating Motion Vectors And/Or Caching Repetitive Motion Vectors | 04/20/2018 | Kopietz |
| 15/959,076 | Systems and Methods for Player Input Motion Compensation by Anticipating Motion Vectors And/Or Caching Repetitive Motion Vectors | 04/20/2018 | Kopietz |
| 15/959,069 | Systems and Methods for Encoder-Guided Adaptive-Quality Rendering | 04/20/2018 | Kopietz |