504352385 05/04/2017

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|------------------------|----------------|
| MATTHIAS MICHAEL WLOKA | 05/02/2017 |

RECEIVING PARTY DATA

| Name: | TAKE-TWO INTERACTIVE SOFTWARE, INC. |
|-----------------|-------------------------------------|
| Street Address: | 622 BROADWAY |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 10012 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11944593 |

CORRESPONDENCE DATA

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| ATTORNEY DOCKET NUMBER: | 26169.4011 |
|-------------------------|----------------|
| NAME OF SUBMITTER: | JOSEPH CHERN |
| SIGNATURE: | /Joseph Chern/ |
| DATE SIGNED: | 05/04/2017 |

Total Attachments: 2

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> **PATENT** REEL: 042244 FRAME: 0295 504352385

ASSIGNMENT OF PATENT

WHEREAS, I, MATTHIAS MICHAEL WLOKA, Citizen of the United States, residing at 3245 Falls Creek Drive, San Jose, California 95135 (hereinafter referred to as "ASSIGNOR") have invented and own a certain invention entitled SYSTEMS AND METHODS FOR FAST SIMULATION AND VISUALIZATION OF SPARSE FLUIDS for which application for Letters Patent of the United States of America was filed on November 23, 2007, under application Serial No. 11/944,593, and which claims priority to United States Provisional Application Serial No. 60/867,054, filed November 22, 2006; and

WHEREAS, TAKE-TWO INTERACTIVE SOFTWARE, INC., a corporation organized and existing under and by virtue of the laws of the State of Delaware and having its principal place of business at 662 Broadway, New York, New York 10012 (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent and similar legal protection to be obtained therefor in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns, transfers and sets over unto ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the Paris Convention for the Protection of Industrial Property; and ASSIGNOR hereby authorizes and requests the United States Commissioner of Patents and Trademarks and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof to issue said patents and equivalents to said ASSIGNEE, its successors and assigns, in accordance with this ASSIGNMENT and hereby transfers all rights of action, power and benefit belonging to or accruing from the invention including the right to undertake proceedings to recover past and future damages and claim all other relief in respect of any acts of infringement thereof whether such acts shall have been committed before or after the date of this ASSIGNMENT.

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ASSIGNOR hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this ASSIGNMENT.

ASSIGNOR further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and that ASSIGNOR will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign country, which may be necessary or desirable to carry out the purposes thereof.

| WITNESS my hand at | Novato, CA | |
|--|-------------------------------|----------|
| | (City & State OR Province & C | Country) |
| this $\frac{2}{}$ day of $\frac{100}{}$ % $\frac{100}{}$ | , 20 17. | |
| | | |
| | Matthias Michael Wloka | |

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RECORDED: 05/04/2017