504674902 12/06/2017

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|--------------------|----------------|
| GEOFFREY B. RHOADS | 11/22/2017 |
| ALASTAIR M. REED | 11/22/2017 |

RECEIVING PARTY DATA

| Name: | Digimarc Corporation |
|-----------------|----------------------|
| Street Address: | 9405 SW Gemini Dr. |
| City: | Beaverton |
| State/Country: | OREGON |
| Postal Code: | 97008 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 15484035 |

CORRESPONDENCE DATA

Fax Number: (503)469-4771

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.

Phone: 503-469-4800

Email: lisa.parkinson@digimarc.com
Correspondent Name: DIGIMARC CORPORATION

Address Line 1: 9405 SW GEMINI DR.

Address Line 4: BEAVERTON, OREGON 97008

| ATTORNEY DOCKET NUMBER: | P2467-R |
|-------------------------|------------------|
| NAME OF SUBMITTER: | LISA PARKINSON |
| SIGNATURE: | /Lisa Parkinson/ |
| DATE SIGNED: | 12/06/2017 |

Total Attachments: 2

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PATENT 504674902 REEL: 044321 FRAME: 0643

ASSIGNMENT

WHEREAS, we, GEOFFREY B. RHOADS, of West Linn, State of Oregon and ALASTAIR M. REED, of Lake Oswego, State of Oregon, have invented a certain invention, entitled INFORMATION CODING AND DECODING IN SPECTRAL DIFFERENCES, for which we have made application for Letters Patent of the United States, said application having been filed by us on April 10, 2017, and assigned application no. 15/484,035; and

WHEREAS, DIGIMARC CORPORATION, a corporation organized under the laws of the State of Oregon, having a place of business at 9405 SW Gemini Drive, Beaverton, OR 97008, desires to acquire an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, GEOFFREY B. RHOADS and ALASTAIR M. REED, hereby sell, assign and transfer to DIGIMARC CORPORATION, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by DIGIMARC CORPORATION, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to DIGIMARC CORPORATION, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid DIGIMARC CORPORATION, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed at the place and date opposite our respective signatures below.

| /Geoffrey B. Rh | noads/ | | _ |
|-------------------|--------------------------|-------|---|
| GEOFFREY B | RHOADS | | _ |
| At Beavert | on, Oregon | | |
| | (City and St | tate) | |
| on this <u>22</u> | _ day of <u>Nov</u> , 20 | 017. | |
| | | | |
| | | | _ |
| ALASTAIR M. | REED | | |
| At Beavert | on, Oregon | | |
| | (City and St | tate) | |
| on this | day of | 2017 | |

REEL: 044321 FRAME: 0644

ASSIGNMENT

WHEREAS, we, GEOFFREY B. RHOADS, of West Linn, State of Oregon and ALASTAIR M. REED, of Lake Oswego, State of Oregon, have invented a certain invention, entitled INFORMATION CODING AND DECODING IN SPECTRAL DIFFERENCES, for which we have made application for Letters Patent of the United States, said application having been filed by us on April 10, 2017, and assigned application no. 15/484,035; and

WHEREAS, DIGIMARC CORPORATION, a corporation organized under the laws of the State of Oregon, having a place of business at 9405 SW Gemini Drive, Beaverton, OR 97008, desires to acquire an interest therein:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, GEOFFREY B. RHOADS and ALASTAIR M. REED, hereby sell, assign and transfer to DIGIMARC CORPORATION, the full and exclusive right, title and interest in and to said invention, patent application and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, continuations-in-part, reissues and extensions thereof, to be held and enjoyed by DIGIMARC CORPORATION, for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to do, and agree that we will communicate to DIGIMARC CORPORATION, or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid DIGIMARC CORPORATION, its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

Executed at the place and date opposite our respective signatures below.

| GEOFFREY B. RHOADS |
|-------------------------------------|
| At Beaverton, Oregon |
| (City and State) |
| on this day of, 2017. |
| |
| |
| /Alastair M. Reed/ |
| /Alastair M. Reed/ ALASTAIR M. REED |
| |
| ALASTAIR M. REED |

REEL: 044321 FRAME: 0645

ASPANMENT Page 1 of 1

RECORDED: 12/06/2017