502218818 02/04/2013

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

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

CONVEYING PARTY DATA

| Name | Execution Date |
|----------------------|----------------|
| Krzysztof Palczewski | 02/19/2009 |
| Radu A. Moise | 02/19/2009 |

RECEIVING PARTY DATA

| Name: | Case Western Reserve University | |
|-----------------|---------------------------------|--|
| Street Address: | 10900 Euclid Avenue | |
| City: | Cleveland | |
| State/Country: | ОНЮ | |
| Postal Code: | 44106 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|------------------------------|--------|
| Application Number: 13679592 | |

CORRESPONDENCE DATA

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Address Line 4: CLEVELAND, OHIO 44114

ATTORNEY DOCKET NUMBER: CWR-8180US CON-1

NAME OF SUBMITTER: Richard A. Sutkus

Total Attachments: 2

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PATENT

REEL: 029749 FRAME: 0741

OF \$40.00 136/959Z

ASSIGNMENT

WHEREAS, we, Krzysztof Palczewski, of Bay Village, County of Cuyahoga, State of Ohio; Radu A. Moise, of Cleveland Heights, County of Cuyahoga, State of Ohio, have made new and useful improvements in COMPOSITIONS AND METHODS FOR TREATING METABOLIC DISEASES; for the International Patent Application under the Patent Cooperation Treaty filed on October 9, 2007, under Serial No. PCT/US2007/080810; and

WHEREAS, Case Western Reserve University, a tax-exempt nonprofit organization duly organized and existing under the laws of the State of Ohio, having a place of business at Cleveland, County of Cuyahoga, State of Ohio, is desirous of acquiring the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to me paid, the receipt whereof is hereby acknowledged, we the said Krzysztof Palczewski and Radu A. Moise do hereby assign, sell and set over unto the said Case Western Reserve University, its successors or assigns, the entire right, title and interest in and to the said improvements and any and all pertaining International Patent application inventions thereto, said No. PCT/US2007/080810. All patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and we hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said Case Western Reserve University, its successors or assigns; and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said Case Western Reserve University, its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said Case Western Reserve University, its successors or assigns.

| Signed at | |
|----------------------------|---------------------------|
| County of | and State of |
| This | day of February 18, 2008. |
| | Loces |
| | Krzysztof Palczewski |
| STATE OF Ohio |) |
| COUNTY OF Cuyahoga |) |
| COUNTY OF CLUBANGE On this | day of February, 2009. |

Personally appeared before me Krzysztof Palczewski to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Vida N. Thipado Notary Public

My commission expires January 14, 2013

PATENT REEL: 029749 FRAME: 0742

| Signed at | |
|--------------------|--------------------------------------|
| County of | and State of |
| This | day of February 19, ,200.9 Radunose |
| - · | Radu A. Moise |
| STATE OF OND |) |
| ممام |) |
| COUNTY OF Cuyahoga |) |
| On this 194 | day of Ghangan 2009 |

Personally appeared before me Radu A. Moise to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Notary Public

My commission experies January 14, 2013

PATENT REEL: 029749 FRAME: 0743

RECORDED: 02/04/2013