PATENT ASSIGNMENT

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SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------|----------------|
| Hideo ITOZAKI | 03/24/2011 |

RECEIVING PARTY DATA

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| State/Country: | JAPAN | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13122466 |

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ATTORNEY DOCKET NUMBER: 4244-0120PUS1

NAME OF SUBMITTER: MaryAnne Armstrong, PhD.

Total Attachments: 2

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PATENT REEL: 026077 FRAME: 0789 CH \$40.00 1312246

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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ASSIGNMENT

| | Application No. <u>13/122,466</u> | | Filed |
|---|--|--|---|
| Insert Name(s) of Inventor(s) | | Name FAMILY NAME (ALL CAP leo, ITOZAKI | 5))*** |
| | | | |
| | | | · · · · · · |
| Insert Title | | ndersigned) has (have) invented certain n | • |
| of Invention | | ECTING EXPLOSIVES AND/OR ILL TING EXPLOSIVES AND/OR ILLICI | ICIT DRUGS, ANTENNA COIL AND F DRUGS |
| | • | etters Patent of the United States of Am | erica has been executed by the undersigned |
| Insert Date of Signing of Application | on3/24/2 | 2011 | ; ar |
| Insert Name of Assignee | WHEREAS, OSA | aka university | |
| Insert Address of Assignee | of 1-1, Yamadaoka, St | uita-shi, Osaka JAPAN | |
| CHECK BOX IF APPROPRIATE | | and interest in and to said invention and | designated as the Assignee) is desirous of in and to any Letters Patent(s) that may be |
| | receipt of which is hereby acknown assigned and transferred, and be exclusive right to the said invention the entire right, title and interest | wledged, and other good and valuable co by these presents does sell, assign and tion in the United States of America, its t in and to any and all Letters Patent(s) | 0.00) to the undersigned in hand paid, the naideration, the undersigned has (have) sold transfer unto said Assignee the full are erritories, dependencies and possessions are which may be granted therefor in the United the box above is designated, in any and a |
| | and to any and all divisions, reis which the same may be granted. | ssues, continuations, conversions and ext | ensions thereof for the full term or terms for |

Page 1 of 3

ATTORNEY DOCKET NO. 4244-0120PUS1

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, 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 U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

| Date | Name of InventorNideo I was aki | | |
|-------------|---|------------|--|
| Date, | (signature) Hideo, ITOZAKI Name of Inventor (signature) | | |
| Date | Name of Inventor(signature) | | |
| Date, | Name of Inventor (signature) | | |
| Date | Name of Inventor (signature) | | |
| Date, | Name of Inventor(signature) | | |
| Page 2 of 3 | Oc | tober 2005 | |

PATENT REEL: 026077 FRAME: 0791

RECORDED: 04/05/2011