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| Name of conveying party(ies): | 2. Name and address of receiving party(ies) |
| MARTIN G. BUEHLER | Name: CALIFORNIA INSTITUTE OF TECHNOLOGY |
| | realite. |
| 5.10.04 | Internal Address: |
| Additional name(s) of conveying party(ies) attached? Yes VNo | |
| 3. Nature of conveyance: | |
| ✓ Assignment | 1200 Foot California Blvd |
| Security Agreement Change of Name | Street Address: 1200 East California Blvd. |
| Other | MC 201-85 |
| | City: Pasadena State: CA Zip: 91125 |
| 05/05/2004 Execution Date: | Additional name(s) & address(es) attached? Yes V No |
| Application number(s) or patent number(s): | 100 1 |
| `` | |
| | ication, the execution date of the application is: |
| A. Patent Application No.(s) 10/750,162 | B. Patent No.(s) |
| | |
| Additional numbers attached? Yes No | |
| 5. Name and address of party to whom correspondence | 6. Total number of applications and patents involved: |
| concerning document should be mailed: | 40.00 |
| Name: TOPE MCKAY & ASSOCIATES | 7. Total fee (37 CFR 3.41)\$ |
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Washington, D.C. 20231

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PATENT REEL: 015309 FRAME: 0107 Docket: CIT-3824 Attorney Docket: CIT001

Invention Title: ELECTRO-ACTIVE SENSOR, METHOD FOR CONSTRUCTING THE SAME;

APPARATUS AND CIRCUITRY FOR DETECTION OF ELECTRO-ACTIVE SPECIES

ASSIGNMENT

WHEREAS, I, Martin G. Buehler of 5214 Crown Avenue, Pasadena, California, United States of America (hereinafter "Assignor") have invented certain new and useful improvements in ELECTRO-ACTIVE SENSOR, METHOD FOR CONSTRUCTING THE SAME; APPARATUS AND CIRCUITRY FOR DETECTION OF ELECTRO-ACTIVE SPECIES (hereinafter "Invention") for which an application for a United States Patent was filed on December 30, 2003, Application Number 10/750,162, and/or for which Assignors are making or have made a foreign application for intellectual or industrial property protection under the appropriate body of law corresponding to that foreign jurisdiction.

AND

WHEREAS, California Institute of Technology, a corporation organized and existing under the laws of the State of California, United States of America and having a place of business at 1200 East California Blvd., MC 201-85, Pasadena, California 91125, United States of America, (hereinafter "Assignee"), is desirous of acquiring the entire right, title, and interest in the Invention within the United States of America and its territorial possessions, and in all foreign countries in which intellectual or industrial property protection may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt whereof is hereby acknowledged, I, the Assignor desire to and do hereby assign, sell, and transfer unto Assignee the full and exclusive right to the Invention in the United States of America and its territorial possessions and in all foreign countries, as well as, the entire right, title and interest in and to any and all intellectual or industrial property rights including, but not limited to, Patents, designs, utility models, and inventor certificates which may be granted therefore in the United States of America and its territorial possessions and in all foreign countries, I hereby authorize and request the U.S. Patent Offices and the equivalent offices at foreign countries, to issue to the Assignee, any and all applicable intellectual or industrial property rights in the Invention, for the Assignee's sole use and benefit; and for the use and benefit of his legal representatives, to the full end of the term for which United States and foreign Patents or the like may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

I further covenant and agree with the Assignee that I have a full and unencumbered title to the invention hereby assigned, which title I warrant unto the Assignee, and I further agree that I will, without demanding any further consideration therefore, at the request and at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign Patents or the like for the Invention, and for maintaing and perfecting the Assignee's right to the Invention and any and all intellectual or industrial property rights in it, particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have bereunto set my hand.

RECORDED: 05/10/2004

Executed this 5 day of May (city).

Page 1 of 1 5/5/04 CIT001-Buehler.DOC

> PATENT REEL: 015309 FRAME: 0108