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| Execution Date: February 3, 2000   |  |  |  |  |
| 4. Application number(s) or patent number(s):  |  |  |  |  |
| If this document is being filed together with a new application, the execution date of the application is: February 3, 2000  |  |  |  |  |
| A. Patent Application No.(s) 09/484,222  | B. Patent No.(s)   |  |  |  |
| Additional numbers attac   |  |  |  |  |
| 5. Name and address of party to whom correspondence concerning document should be mailed:  | 6. Total number of applications and registration involved:  1  |  |  |  |
| SUGHRUE, MION, ZINN, MACPEAK & SEAS, PLLC  | 7. Total Fee (37 CFR 3.41): \$40.00  |  |  |  |
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| Maddell H Myx and April 28, 2000   |  |  |  |  |
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05/02/2000 GTEFFI 02 FC:581

## U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

|   | the undersigned inventor(s) (hereinafter "A  | ASSIGNOR") by   |   |
|---|--|---|---|
| (Insert<br>ASSIGNEE's<br>Name(s)                            | SHOWA DENKO K.K.   |   |   |
| Address(es))  | 13-9, Shiba Daimon   | 1-chome, Minato-ku,   | Tokyo 105-8518, Japan   |
| (Title of<br>Invention)                                     | transfers to ASSIGNEE the entire and   |   |   |
|   | relating to International Patent Applica of the United States was executed on e  |   | and/or for which application for Letters Paten d, was:  |
| (Insert date of execution of application, f not concurrent) | (a) executed on  | 2000 () is here   | eby authorized to insert in (b) the specified   |
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|   | Total Makain   | the undersigned inventor(s) has (have) $\mathcal{T}_{s}(\mathcal{N})$   | affixed his/her/their signature(s).   |
|   | To Makais  | Tetsuo Nakajo   | February 3, 2000  |
| (Signatures)  | 1) Jesus Makajo (S GNATURE)  | (TYPE NAME)   | (DATE)  |
|   | masatoshi Hotta  | Masatoshi Hotta   | February 3, 2000  |
|   | (SIGNATURE)  | (TYPE NAME)   | (DATE)  |
|   | a dirignustos Hinra  | Hiromoto Ohno   | February 3, 2000  |
|   | 3) Hiromotos Chrico (SIGNATURE)  | (TYPE NAME)   | (DATE)  |
|   | Toshir Cho   | Toshio Ohi  | February 3, 2000  |
|   | (SIGNATURE)  | (TYPE NAME)   | (DATE)  |
|   | 4) Joshin Gho (SIGNATURE)  5) Yusaku Takite (SIGNATURE)  | Yusaku Takita (TYPE NAME)   | February 3, 2000  |
|   | 6)(SIGNATURE)  | (ТҮРЕ МАМЕ)   | (DATE)  |
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