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| Leydig, Voit & Mayer, Ltd. | Facsimile: (202) 737-6776 Attorney Docket No. 401096 | | | | |
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| If this document is being filed together with a <i>new</i> Patent Application, enter the date the patent Month Day Year February 7, 20 | | | | | |
| application was signed by the first named executing inventor. | | | | | |
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PATENT REEL: 011565 FRAME: 0419

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is acknowledged, the undersigned,

Kohji SHINOMIYA of c/o Mitsubishi Denki Kabushiki Kaisha 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN sells, assigns, and transfers to Mitsubishi Denki Kabushiki Kaisha of 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN (the Assignee), its successors and assigns, the entire right, title, and interest in and to: the application for United States Letters Patent entitled: (i)SOLID STATE IMAGING APPARATUS which was executed by the undersigned on February 7 and accorded Serial 2001 or was filed on _____ (the Application); No. any and all inventions and improvements that are described (ii) in the Application; any and all United States Letters Patents that may be (iii) granted on the Application (the Patent); any and all divisions, continuations, reexaminations, reissues, or extensions of the Application or the Patent; (iv) all benefits under the International Convention for the (V) Protection of Industrial Property.

I authorize and request the Commissioner of Patents to issue any and all Letters Patent, when granted, to the Assignee.

I authorize the Assignee and its agents to insert in this instrument the filing date and serial number of the Application.

PATENT REEL: 011565 FRAME: 0420 Further, it is agreed that, when requested, without charge to, but at the expense of, the Assignee, the undersigned will execute all divisional, continuing, or reissue patent applications; execute all additional assignments and other writings, including reissue and reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection for any invention described in the Application.

| INVENTOR | Date | | |
|------------------------------------|--------------|--|--|
| Kohji Shinomiya Kohji SHINOMIYA | Feb. 7, 2001 | | |
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