

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kayo NAKANO</td> <td>02/14/2012</td> </tr> <tr> <td>Akira SATO</td> <td>02/14/2012</td> </tr> <tr> <td>Takao KUSAKA</td> <td>02/14/2012</td> </tr> <tr> <td>Shinya KASAMATSU</td> <td>02/14/2012</td> </tr> <tr> <td>Akito SASAKI</td> <td>02/14/2012</td> </tr> <tr> <td>Daisuke FUKUSHI</td> <td>02/14/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kayo NAKANO	02/14/2012	Akira SATO	02/14/2012	Takao KUSAKA	02/14/2012	Shinya KASAMATSU	02/14/2012	Akito SASAKI	02/14/2012	Daisuke FUKUSHI	02/14/2012
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<b>RECEIVING PARTY DATA</b>															
<table border="1"> <tr> <td>Name:</td> <td>KABUSHIKI KAISHA TOSHIBA</td> </tr> <tr> <td>Street Address:</td> <td>1-1, Shibaura 1-chome, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>105-8001</td> </tr> </table>		Name:	KABUSHIKI KAISHA TOSHIBA	Street Address:	1-1, Shibaura 1-chome, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	105-8001				
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<b>PROPERTY NUMBERS Total: 1</b>															
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<b>CORRESPONDENCE DATA</b>															
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Total Attachments: 2

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U.S. Rights--Sole or Joint

**ASSIGNMENT**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

*name and address of assignee* 1) KABUSHIKI KAISHA TOSHIBA, and 2)TOSHIBA MATERIALS CO., LTD.  
1) 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001 Japan; and  
2) 8, Shinsugita-cho, Isogo-ku, Yokohama-shi, Kanagawa 235-8522 Japan

(hereinafter ASSIGNEE) all right, title and interest for the United States, its territories and possessions in and to this invention relating to

*title of invention* ANTIVIRAL MATERIAL, ANTIVIRAL FILM, ANTIVIRAL FIBER, AND ANTIVIRAL PRODUCT

as set forth in this United States Patent Application

*Check one*  executed concurrently herewith  
 executed on \_\_\_\_\_  
 Serial No. 13/369,722 Filed February 9, 2012

in and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States which may issue on any such application or for said invention, including any and all reissues or extensions thereof, to be held and enjoyed by said ASSIGNEE, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each of the undersigned hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to said ASSIGNEE, its successors or assigns in accordance herewith;

Each of the undersigned warrants and covenants that he has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees he will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him relating to said invention or patent application and that he will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon, including reissues or extensions, in said ASSIGNEE, its successors, or assigns or to

assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

Each of the undersigned hereby grants the firm of **FOLEY & LARDNER LLP** the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

<b>NAMES AND SIGNATURES OF INVENTORS</b>		
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Name: Akira SATO	Signature: <i>Akira Sato</i>	Date: Feb. 14, 2012
Name: Takao KUSAKA	Signature: <i>Takao Kusaka</i>	Date: Feb. 14, 2012
Name: Shinya KASAMATSU	Signature: <i>Shinya Kasamatsu</i>	Date: Feb. 14, 2012
Name: Akito SASAKI	Signature: <i>Akito Sasaki</i>	Date: Feb. 14, 2012
Name: Daisuke FUKUSHI	Signature: <i>Daisuke Fukushi</i>	Date: Feb. 14, 2012
<b>NAMES AND SIGNATURES OF WITNESSES</b>		
Name: Hideaki SUYAMA	Signature: <i>H. Suyama</i>	Date:
Name:	Signature:	Date:

Note: *Prima facie* evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by a certificate from a U.S. Consul.