FORM PTO-1595 (Rev. 6-93) CMB No. 8651-0011 (esp. 4/94) HSML-20227.0012USWO

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Yoshiko Watanabe Kazuyuki Sakamoto		ES FiberVisions CO., LTD. 3-23 Nakanoshima 3-chome, Kita-ku Osaka-shi, Osaka 5306108 Japan	ES FiberVisions LP 1885 Olympic Drive Athens, GA 30601 US
		ES FiberVisions Hong Kong Limited Rm, 1002, 10/F, Far East Consortium Bldg, 204-206, Nathan Road Kowloon Hong Kong, China	ES FiberVisions ApS Engdraget 22 Varde 6800 Denmark
	of conveying partylies) attached? 🗌 Yes 🗵 No	Additional name(s) & address(ss) attached? 🔲 Yes 🚫 No	And a december 2 meres in the first in the f
Assi Secu Othe	conveyance: gament rity Agreement r:  ate: October 25, 2011	e	
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4. Application	on number(s) or patent number(s):		, , , , , , , , , , , , , , , , , , ,
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ii unis doc	ament is being filed together with a ner	wapplication, the execution date of the application	#D.
A. Patent Application No.(s)  B. Patent No.(s)			
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	l address of party to whom corresponder		and patents involved: 1
document six	ould be mailed:	7. Total fee (37 CFR 3.41):	\$40,00
Name:	Douglas P. Mueller	□ Enclosed	
Address:	Hamre, Schumann, Mueller & Larson I	P.C. \times Authorized to be ch	arged to Deposit
	P. O. Box 2902	Account No. 50-34	
	Minneapolis, MN 55402-0902	Please charge any additional overpayments to our Deposit	
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9. To the be- original d		coing information is true and correct and any attach	ed copy is a true copy of the
Douglas P. M	iuei <b>l</b> er	M/A-	October 27, 2011
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CERTIFICATE UNDER 37 CFR 1.6(d): I hereby certify that this paper's being transmitted by facsimile (571,273.0140) to the U.S. Patent and Trademark Office on October 27, 2011.

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PATENT

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REEL: 027138 FRAME: 0648

Docket No.

## ASSIGNMENT OF PATENT APPLICATION

## WHEREAS,

- 1. Yoshiko WATANABE residing at c/o ES FiberVisions CO., LTD., 3-23, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 5306108 Japan and a citizen of Japan
- Kazuyuki SAKAMOTO residing at c/o ES Fiber Visions CO., LTD., 3-23, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 5306108 Japan and a citizen of Japan (hereinafter called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States for this invention which was filed on , entitled Antiviral Fiber Assembly with Cellulose Sulfate, and

which has been given application serial number

and

WHEREAS (DES Fiber Visions CO., LTD. (25 %) (DES Fiber Visions Hong Kong Limited (25 %) ③ES Fiber Visions LP (25 %) ④ES Fiber Visions ApS (25 %) (Their rights and interests to apply for and obtain the Patent in this invention (percentage)) (hereinafter "ASSIGNEE") a corporation organized under the laws of (DJapan (2)China ③U.S. ④Denmark and having an office and place of business at

- (1)3-23, Nakanoshima 3-chome, Kita-ku, Osaka-shi, Osaka 5306108 Japan
- ②Rm. 1002, 10/F, Far East Consortium Bldg., 204-206, Nathan Road, Kowloon, Hong Kong China
- ③1885 Olympic Drive, Athens, Georgia 30601 United States of America
- **(4)** Engdraget 22, Varde 6800 Denmark

wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign, and transfer to the ASSIGNEE, its successors, legal representative and assigns, the entire right, title and interest for the United States in and to the invention disclosed in said application, and in and to said application, as well as to all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents of the United States to issue all Letters Patent for said invention to the ASSIGNEE of the entire right, title and interest in and to the same, in accordance with the terms of this instrument.

THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to the

> **PATENT REEL: 027138 FRAME: 0649**

legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, it successors or assigns, the entire right, title and interest in and to the said invention, patent applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said ASSIGNEE, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by the UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Yoshiko Watanabe Signature - Yoshiko WATANABE

October 25, 2011

Date

Jayyuki Jakumuta-Signature - Kaznyuki SAKAMOTO

October 25, 2011

Date

PATENT REEL: 027138 FRAME: 0650

**RECORDED: 10/27/2011**