PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Tetsuya KAWANISHI	02/05/2008
Masayuki IZUTSU	02/04/2008
Takahide SAKAMOTO	02/04/2008
Masahiro TSUCHIYA	02/04/2008

RECEIVING PARTY DATA

Name:	National Institute of Information and Communications Technology	
Street Address:	4-2-1, Nukui-Kitamachi, Koganei-shi	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	184-8795	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12063436

CORRESPONDENCE DATA

Fax Number: (866)864-3947

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 973-401-7159

Email: harris.wolin@myerswolin.com

Correspondent Name: Harris A. Wolin
Address Line 1: Myers Wolin, LLC
Address Line 2: 100 Headquarters Plaza

Address Line 4: MORRISTOWN, NEW JERSEY 07960-6834

ATTORNEY DOCKET NUMBER: HIRO 618

NAME OF SUBMITTER: Harris A. Wolin

Total Attachments: 1

PATENT REEL: 020486 FRAME: 0041

500460429

DP \$40,00 12

source=HIRO_618_Assignment_Executed#page1.tif

PATENT REEL: 020486 FRAME: 0042 08-02-05;16:12 ;情報通信研究機構 研究推進的門 知助推進グループ ;0

;0423276659

3/ 3

Attorney Docket: HIRO 618

ASSIGNMENT

WHEREAS, the below named inventor(s), ASSIGNOR, has made a certain new and useful invention in a RECIPROCATING OPTICAL MODULATION SYSTEM, for which an application is being filed concurrently herewith.

WHEREAS, National Institute of Information and Communications Technology, having an address at 4-2-1, Nukui-Kitamachi, Koganel-shi, Tokyo 184-8795, Japan, ASSIGNEE, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, sesign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries fereign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument, and

A5SIGNOR covenants and agrees that he has full right to convey the entire Interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith; and

ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of first inventor;	•
Inventor's Signature: - IMpgs Average Co.	Date: 05 2008
Residence: Tokyo, Japan	
Residence: Tokyo, Japan. Post Office Address: <u>c/o intellectual Property Management Grou</u>	ID National Institute of Information and
Communications Technology, 4-2-1; Nukui-Kitamechi, Kopanei-ahl, T	okyo 184-8705 Jenen
The state of the s	ALVA TESSATRAL VEINGUI
Full name of joint inventor: Massyukt IZUTSU	<u> </u>
Inventor's Signature:	Date: HAROY, 2008
Residence: Tokyo, Japan	Citizenshin Ianan
Post Office Address: c/o Intellectual Property Management Grou	up. National Institute of Information and
Communications Technology, 4-2-1, Nukul-Kitamachi, Koganei-shi, Te	okyo 184-8795. Japan
,	
Full name of joint inventor: Tekshide SAKAMOTO	L
Inventor's Signature:	Dete:
Residence: Tokyo Japan	Citizenship: Japan
Residence: Tokyo Japan Post Office Address: c/o Intellectual Property Management Grou	io. National Institute of Information and
Communications Technology, 4-2-1, Nukui-Kitamachi, Koganel-shi, To	okyo 184-8795 Japan
·	
Full name of joint inventor: Messhire-TSUCHYA	,
Inventor's Signature:	Date: #e6 09, 08
Residence: Tokyo, Japan	Citizenship: Japan
Post Office Address: c/o Intellectual Property Management Grou	io. National Institute of Information and
Communications Technology, 4-2-1; Nukui-Kitamachi, Koganei-shi, Te	New 184-8795 James

PATENT

REEL: 020486 FRAME: 0043