RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director, U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.

 Name of conveying party(les): (List using letters or numbers for multiple parties) 	2. Name and address of receiving party(ies):				
1. Ko MASUDA,	Name: NHK SPRING CO., LTD. Internal Address: 10, Fukuura 3-chome				
2.Osamu OOKI	Street Address: Kanazawa-ku				
Additional name(s) of conveying party(les) attached?	City: State: Yokohama-shi, Kanagawa ZIP: 236-0004				
(X) No	Additional name(s) of receiving party(ies) attached?				
 Nature of conveyance: (X) Assignment 	(X) No				
Execution Date: (List as in section 1 if multiple	 US or PCT Application number(s) or US Patent number(s): 				
signatures) 1. June 22, 2011,	(X) Patent Application No.: 13/190331 Filing Date: July 25, 2011				
2. June 22, 2011	Additional numbers attached?				
	. (X) No				
Party to whom correspondence concerning document should be mailed:	 Total number of applications and patents involved: 1 				
Customer No. 20,995					
Address: Knobbe, Martens, Olson & Bear, LLP 2040 Main Street, 14 th Floor Irvine, CA 92614 Return Fax: (949) 760-9502 Attorney's Docket No.: TAIYO66.003AUS					
7. Total fee (37 CFR 1.21(h)): \$40	8. Deposit account number: 11-1410				
(X) Authorized to be charged to deposit account	Please charge this account for any additional fees which may be required, or credit any overpayment to this account.				
9. Statement and signature.					
To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.					
=	7/251201				
Name of Person Signing Sign	nature Date				
Eric M. Nelson					
Registration No. 43,829					
Total number of pages including cover sheet, attachments and document: 3 Documents transmitted via Facsimile to be recorded with required cover sheet information to:					
Documents transmitted via Facsimile to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services					
Director, U.S. Patent and Trademark Office					
P.O. Box 1450 Alexandria, VA 22313-1450					
Facsimile Number: (571) 273-0140					
	PATENT				

REEL: 026663 FRAME: 0659

				ASSIGNMENT	PATENI		
	WHI	EREAS, I/	VE (1) <u>Ko MASI</u>	JDA			
a	Japai	nese	citizen, re	esiding at <u>Yokohama-</u> s	shi, Kanagawa, Japan		
(2)	Osan	nu OOKI	· · · · · · · · · · · · · · · · · · ·				
a	Japar	nese			shi, Kanagawa, Japan		
(3)		×					
a	citizen, residing at						
		provement:			· · · ·		
	(b)	۰ ۵	was filed on		as Application		
			No		or Express Mail No., as Application No. not and was amended		
	(c) • was described and claimed in PCT International Application No.		tional Application No.				
			filed on				
			and as amended under PCT Article 19 on				
			(if any) and/or unde	r PCT Article 34 on	(if any).		
	AND	WHEREA	S,NHK SPRI	ING CO., LTD.			

with its principal place of business at <u>10, Fukuura 3-chome, Kanazawa-ku, Yokohama-shi, Kanagawa 236-0004,</u> <u>Japan</u>, (hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to and under said improvements, and any Patent Applications in the United States of America and all divisions, renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

une. This 22 20 (1 dav of Signature of Ko MASUDA

June This 22 day of 20 / i

Signature of Osamu OOKI

This_____ day of_____

Signature of

20

PF-53

PATENT REEL: 026663 FRAME: 0661

RECORDED: 07/27/2011