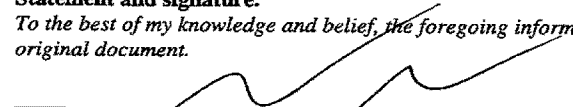


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Total number of pages including cover sheet, attachments, and document: <u>3</u>					
1. A. Name of conveying party(ies): NIPPON ANTENA KABUSHIKI KAISHA B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. A. Name and address of receiving party(ies): HARADA INDUSTRY CO., LTD. OMORI BELLPORT B-4F, 26-2, MINAMI-OHI 6- CHOME, SHINAGAWA-KU, TOKYO 140-0013 JAPAN B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. A. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ B. Execution Date: <u>April 2, 2012</u>					
4. A. Patent Application Nos. 1) 12/296,108 2) 12/449,151 3) 12/735,199 4) 13/144,011 Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No B. Patent Nos. 5) 7,202,817 6) 8,081,126 7) 6,486,841 8) 6,927,737 9) 6,891,508 10) 8,089,410 C. Title of Application:					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787			6. Total number of applications and patents involved: <u>10</u> 7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of <u>\$400.00</u> . 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.		
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">  _____ James A. Oliff - Registration No. 27,075 Scott M. Schulte - Registration No. 44,325 </div> <div style="width: 35%; text-align: right;"> Date: <u>April 30, 2012</u> </div> </div>					

CH \$400.00 150461 1229610

ASSIGNMENT

WHEREAS, NIPPON ANTENA KABUSHIKI KAISHA, a company established under the laws of Japan whose address is 49-8, Nishiogu 7-chome, Arakawa-ku, Tokyo 116-0011 Japan (hereinafter called "Assignor"), is the owner by assignment duly recorded in the United States Patent and Trademark Office at the Reel and Frames indicated below of the following United States Letters Patents and/or patent applications (hereinafter called "Patent Properties"):

<u>Application or Patent Number and Date of Filing or Issue</u>	<u>Named Inventors</u>	<u>Reel and Frame</u>
7,202,817 issued April 10, 2007	Shinkai et al.	016343/0285
8,081,126 issued December 20, 2011	Ikeda et al.	023006/0535
6,486,841 issued November 26, 2002	Imahigashi	011951/0061
6,927,737 issued August 9, 2005	Inoue	014641/0339
6,891,508 issued May 10, 2005	Inoue	014721/0168
12/296,108 filed October 5, 2008	Wakui	021634/0064
12/449,151 filed July 24, 2009	Ohshima et al.	023024/0007
12/735,199 filed June 21, 2010	Wakui et al.	024586/0109
8,089,410 issued January 3, 2012	Shimizu	023703/0366
13/144,011 filed July 11, 2011	Takahashi et al.	026587/0972

The undersigned has reviewed all the documents in the chain of title identified above; and to the best of the undersigned's knowledge and belief, title is in the Assignor. The undersigned is empowered to sign this Assignment on behalf of the Assignor.

WHEREAS, HARADA INDUSTRY CO., LTD., a company established under the laws of Japan whose address is Omori Bellport B-4F, 26-2, Minami-Ohi 6-chome, Shinagawa-ku, Tokyo 140-0013 JAPAN (hereinafter called "Assignee"), is desirous of acquiring the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), including any and all provisional, non-provisional, divisional, continuation, international, design, confirmation, substitute and reissue application(s) or extensions of the same.

Now, To All Whom It May Concern: Be it known that for and in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over, unto Assignee, its successors, assigns and legal representatives, the entire right, title and interest for the United States, its territories, dependencies and possessions, in and to said Patent Properties (and/or patents that may be granted therefrom), including any and all provisional, non-provisional, divisional, continuation, international, design, confirmation, substitute and reissue application(s) or extensions thereof; the

same to be held and enjoyed by Assignee, its successors, assigns and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made, together with all claims for damages by reason of past infringement of said Patent Properties with the right to sue for and collect the same for its own use and for the use of its successors, assigns and legal representatives.

Assignor agrees that this assignment is binding on Assignor and its successors, assigns and legal representatives.

Assignor authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any Letters Patent of the United States, resulting from said Patent Properties and any confirmations, divisions, continuations, reexaminations, reissues or extensions thereof, to Assignee.

Assignor agrees to execute all papers necessary in connection with any interference which may be declared concerning said Patent Properties (and/or patents that may be granted therefrom), or any confirmation, division, continuation, reexamination or reissue thereof, and to cooperate with Assignee in every way possible in obtaining evidence and going forward with such interference.

Assignor covenants that it has full right to convey the interest herein assigned and that it has not executed and will not execute any agreement in conflict herewith.

Assignor agrees to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

Assignor agrees to perform all affirmative acts which may be necessary to obtain, maintain or confirm by reissue or reexamination a grant of a valid United States patent to Assignee.

Assignor grants the firm of OLIFF & BERRIDGE, PLC of Alexandria, Virginia the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

This Assignment is effective as of the 2 day of April, 2012.

Witness Yoshikazu Ishii

Witness Yasuo Asami

Signature
Y. Takizawa
Officer of Assignor

YUTAKA TAKIZAWA
Typewritten Name of Officer

President of NIPPON ANTENA KABUSHIKI
KAISHA
Title of Officer