

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Hiroyuki SHIMANUKI	03/15/2012
RECEIVING PARTY DATA	
Name:	NEC EMBEDDED PRODUCTS, LTD.
Street Address:	4-28, Mita 1-chome, Minato-ku
City:	Tokyo
State/Country:	JAPAN
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13434102
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ATTORNEY DOCKET NUMBER:	Q130088
NAME OF SUBMITTER:	Sharmeisa Wells, New Application Spec
Total Attachments: 1 source=ASSIGNMENT_FILED#page1.tif	

OP \$40.00 13434102

## ASSIGNMENT

Whereas, I/we, Hiroyuki SHIMANUKI of c/o NEC Embedded Products, Ltd., 4-28, Mita 1-chome, Minato-ku, Tokyo, Japan, hereinafter called assignor(s), have invented certain improvements in

HEAD-CLEANING DEVICE AND HEAD-CLEANING METHOD

and executed an application for Letters Patent of the United States of America therefor on

March 15, 2012 ; and


Whereas, NEC Embedded Products, Ltd. of 4-28, Mita 1-chome, Minato-ku, Tokyo, Japan (assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America and all countries foreign thereto, including the rights of priority under the International Convention of Paris (1883) as amended, and I/we request the Director - U.S. Patent and Trademark Office to issue any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and I/we hereby agree that the assignee may apply for foreign Letters Patent on the invention and I/we will execute without further consideration all papers deemed necessary by the assignee in connection with the United States and foreign applications when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses (Application number 13/434,102, filed March 29, 2012) the filing date and application number of said application when known.

Date: March 15, 2012

s/ Hiroyuki Shimanuki   
Hiroyuki SHIMANUKI

Date:

s/ \_\_\_\_\_