

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>JUNICHI KURITA</td> <td>07/19/2013</td> </tr> <tr> <td>KAZUO KAWAHITO</td> <td>07/19/2013</td> </tr> <tr> <td>MASATOSHI TASEI</td> <td>07/15/2013</td> </tr> <tr> <td>KAZUAKI AOYAMA</td> <td>07/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	JUNICHI KURITA	07/19/2013	KAZUO KAWAHITO	07/19/2013	MASATOSHI TASEI	07/15/2013	KAZUAKI AOYAMA	07/18/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Panasonic Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1006 Oaza Kadoma, Kadoma-shi</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>571-8501</td> </tr> </table>		Name:	Panasonic Corporation	Street Address:	1006 Oaza Kadoma, Kadoma-shi	City:	Osaka	State/Country:	JAPAN	Postal Code:	571-8501
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CORRESPONDENCE DATA											
Fax Number: 2029120774 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 2029123800 Email: ppc@us.panasonic.com Correspondent Name: Panasonic Patent Center Address Line 1: 1130 Connecticut Ave., N.W., Suite 1100 Address Line 4: Washington, DISTRICT OF COLUMBIA 20036											
NAME OF SUBMITTER:	Kazuko NAKAGAWA										
Signature:	/Kazuko NAKAGAWA/										
Date:	09/30/2013										

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Total Attachments: 4

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Panasonic Ref*: P627449 -01
 Japan Firm Name: IPSG
 US Firm Name*: MWE
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Application Serial No. 14/000826
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 its/their heirs, successors, legal representatives and assigns (hereinafter designated as "Assignee(s)") is/are desirous of acquiring the entire right,
 title, and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged and intended to be legally bound hereby, the undersigned, by these presents, does sell, assign and transfer unto said Assignee(s) the entire and exclusive right,
 title and interest in and to; (i) said invention in the United States of America, its territories, dependencies and possessions (hereinafter designated
 as the United States) and in all countries foreign to the United States; and (ii) this patent application and any and all related patent application(s)
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 United States and in all countries foreign to the United States for the full term or terms thereof.

The undersigned agree(s) to execute all papers necessary in connection with this application and any and all Related Applications thereof,
 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, all papers necessary in connection with any interference which may be declared
 concerning this application or any and all Related Applications thereof and to cooperate with the Assignee(s) in every way possible in obtaining
 and producing evidence and proceeding with such interference, and for any and all litigations regarding, or for the purpose of protecting the right,
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 the undersigned if this Assignment had not been made.

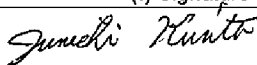
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