

PATENT ASSIGNMENT

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Hirimitsu Mizukawa	04/11/2011
Kazuhiro Kumada	04/13/2011
Yoshifumi Kuroki	04/13/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	Panasonic Electric Works Co., Ltd.
<b>Street Address:</b>	1048-Kadoma
<b>City:</b>	Kadoma-shi, Osaka
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	571-8686
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13031836
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	N8226.172
<b>NAME OF SUBMITTER:</b>	Mark J. Patterson
<b>Total Attachments: 2</b> source=ULT_N8226_172_Assignment#page1.tif source=ULT_N8226_172_Assignment#page2.tif	

CH \$40.00 13031836

### ASSIGNMENT

In consideration of the payment of one (\$1.00) dollar, and for other good and valuable consideration, the receipt of which is hereby acknowledged, Hiromitsu Mizukawa, Kazuhiro Kumada and Yoshifumi Kuroki ("Assignors") assign to Panasonic Electric Works Co., Ltd. of Osaka, Japan ("Assignee") their entire right, title, and interest in and to an invention entitled "LED Driver Circuit with Open Load Detection and Associated Control Method" (the "Invention"), and in any and all patents, reissue patents, certificates of inventorship, design registrations, utility models, and the like, that may be granted in the U.S. or in any foreign country with respect to the Invention and improvements thereto and in any application, including continuations, continuations-in-part, or divisions, that may be filed with respect to the Invention, or improvements thereto, including U.S. Patent App. No. 13/031,836 filed February 22, 2011.

Assignors represent and warrant that they have not transferred, licensed, and/or assigned any interest in the Invention to anyone other than Assignee, and that they have not entered into any contract, assignment, or license conveying any right granted to Assignee hereunder, or that would otherwise conflict with this Assignment.

Assignor represents and warrants that they have not publicly used or disclosed the Invention, and that they have not previously sold or offered to sell the Invention.

Assignors will, without additional charge to Assignee but at Assignee's expense, cooperate with and assist Assignee such that Assignee may realize and fully enjoy all the rights assigned hereunder, including the preparation and execution of all papers

needed by Assignee, and providing such information and assistance as may reasonably be required by Assignee in any administrative or legal proceeding to obtain or protect such rights.

This Assignment and each of its terms shall be binding on each Assignor, and his representatives, heirs and assigns, and shall inure to the benefit of Assignee, its successors, and assigns.

H.M. ~~4/4/11~~ <sup>4/11/11</sup>

Date

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Date

水川 広光  
Hiromitsu Mizukawa

Witness **Souichi NAKAI**

Witness **Chikako KUBOTA**

熊田 和宏  
Kazuhiro Kumada

Witness **Souichi NAKAI**

Witness **Chikako KUBOTA**

黒木 芳文  
Yoshifumi Kuroki

Witness **Souichi NAKAI**

Witness **Chikako KUBOTA**