

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kuo-Nan YANG</td> <td>11/08/2010</td> </tr> <tr> <td>Yen-Hsu SHIH</td> <td>11/08/2010</td> </tr> <tr> <td>Chia-Ying CHIU</td> <td>11/08/2010</td> </tr> <tr> <td>Kai-Wen CHENG</td> <td>11/08/2010</td> </tr> </tbody> </table>		Name	Execution Date	Kuo-Nan YANG	11/08/2010	Yen-Hsu SHIH	11/08/2010	Chia-Ying CHIU	11/08/2010	Kai-Wen CHENG	11/08/2010
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<b>RECEIVING PARTY DATA</b>											
Name:	Realtek Semiconductor Corp.										
Street Address:	2 Innovation Rd. II, Science Park,										
City:	HsinChu										
State/Country:	TAIWAN										
Postal Code:	30076										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12942677</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12942677						
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Application Number:	12942677										
<b>CORRESPONDENCE DATA</b>											
Fax Number:	(703)621-7155										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	703-621-7140										
Email:	mcp@mg-ip.com										
Correspondent Name:	Muncy, Geissler, Olds & Lowe, PLLC										
Address Line 1:	4000 Legato Road										
Address Line 2:	Suite 310										
Address Line 4:	FAIRFAX, VIRGINIA 22033										
ATTORNEY DOCKET NUMBER:	5750/0139PUS1										
NAME OF SUBMITTER:	Joe McKinney Muncy										
Total Attachments: 2											

OP \$40.00 12942677

**501344607**

**PATENT  
 REEL: 025337 FRAME: 0833**

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# ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title)

NETWORK INTERFACE CONTROLLER CAPABLE OF SHARING BUFFERS AND BUFFER SHARING METHOD

The PATENT RIGHTS referred to in this agreement are:

(check one)  a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.

U.S. patent application Serial No. \_\_\_\_\_, filed \_\_\_\_\_

a U.S. patent application based on PCT International Application No. \_\_\_\_\_, filed on (date) \_\_\_\_\_ (U.S. patent application Serial No. \_\_\_\_\_, if known)

U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

(check one)  U.S. patent rights only.

Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signature(s) appear(s) on page 2 of this Assignment and any Supplemental Sheets(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) Realtek Semiconductor Corp.

(Address) 2 Innovation Rd. II, Science Park, HsinChu 30076, Taiwan, R.O.C.

The ASSIGNEE is:

(check one)  An Individual.

A Partnership.

A Corporation of Taiwan, R.O.C. (specify state or country)

(other) \_\_\_\_\_

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;  
 the entire right, title and interest in and to the PATENT RIGHTS;  
 the right to sue and recover for any past infringement; and,  
 the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) any attorney and agent who has a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Kuo-Nan Yang	<i>Kuo-Nan Yang</i>	November 8, 2010
First joint inventor	Signature	Date
Yen-Hsu Shih	<i>Yen Hsu Shih</i>	November 8, 2010
Second joint inventor	Signature	Date
Chia-Ying Chiu	<i>Chia Ying Chiu</i>	November 8, 2010
Third joint inventor	Signature	Date
Kai-Wen Cheng	<i>Kai-Wen Cheng</i>	November 8, 2010
Fourth joint inventor	Signature	Date
Fifth joint inventor	Signature	Date