

**PATENT ASSIGNMENT**

Electronic Version v1.1  
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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hsu-Pin Kao</td> <td>03/28/2005</td> </tr> <tr> <td>Hsu-Chia Kao</td> <td>03/28/2005</td> </tr> <tr> <td>Yi-Chia Shan</td> <td>03/28/2005</td> </tr> <tr> <td>Yi-Sheng Yu</td> <td>03/28/2005</td> </tr> </tbody> </table>		Name	Execution Date	Hsu-Pin Kao	03/28/2005	Hsu-Chia Kao	03/28/2005	Yi-Chia Shan	03/28/2005	Yi-Sheng Yu	03/28/2005
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Hsu-Chia Kao	03/28/2005										
Yi-Chia Shan	03/28/2005										
Yi-Sheng Yu	03/28/2005										
<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	Quanta Computer Inc.										
<b>Street Address:</b>	No. 188, Wen Hwa 2nd Rd.										
<b>Internal Address:</b>	Kuei Shan Hsiang										
<b>City:</b>	Tao Yuan Shien										
<b>State/Country:</b>	TAIWAN										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11098102</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11098102						
Property Type	Number										
Application Number:	11098102										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(518)449-0047										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	518-449-0044										
<b>Email:</b>	jdesbiens@hwdpatents.com										
<b>Correspondent Name:</b>	Hoffman, Warnick & D'Alessandro LLC										
<b>Address Line 1:</b>	Three E-Comm Square										
<b>Address Line 4:</b>	Albany, NEW YORK 12207										
<b>NAME OF SUBMITTER:</b>	Hunter E. Webb										
<b>Total Attachments: 2</b> source=iptec-0021_signedassignment#page1.tif source=iptec-0021_signedassignment#page2.tif											

OP \$40.00 11098102

**PATENT ASSIGNMENT FORM**

For and in consideration of good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor acknowledges his/her prior and ongoing obligation to sell, assign, and transfer, and agrees to sell, assign, and transfer the entire world wide right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements conceived during and within the scope of his/her employment, and further acknowledges that he/she has sold, assigned, and transferred, and hereby sells, assigns, and transfers, unto:

**Quanta Computer Inc.  
No. 188, Wen Hwa 2nd Rd., Kuei Shan Hsiang,  
Tao Yuan Shien, Taiwan, R.O.C.**

a corporation of **Taiwan**, and Quanta Computer Inc. desires to acquire all right, title, and interest, in and to the certain inventions (identified below), applications, and any United States and foreign patents to be obtained therefor relating to:

**APPARATUS AND METHOD FOR INCREASING THE DISPLAY GRAY LEVEL**

as set forth in United States Patent Application executed by each undersigned inventor on the date indicated by each inventor signature below, and further identified by **Attorney Docket Number IPTEC-0021**;

(select one):  executed concurrently herewith or  Serial No. 11/098,102 Filed on April 4, 2005

for and to said United States Patent Application including any and all divisions or continuations thereof and in and to any and all Letters Patent of the United States and foreign patents and all rights of priority to be obtained therefor which may issue on any such application or for said invention therein disclosed, including any and all reissues or extensions thereof, to be held and enjoyed by, its successors, legal representatives and assigns to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made;

Each undersigned inventor hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all such Letters Patent to Quanta Computer Inc. , its successors and assigns, in accordance herewith;

Each undersigned inventor warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests hereby sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each undersigned inventor further covenants and agrees that he/she, upon the request and at the expense of Quanta Computer Inc. , will execute and deliver any papers, make all rightful oaths, testify in any legal proceeding relating to said inventions and improvements, communicate to Quanta Computer Inc. all facts known to the undersigned relating to such inventions and improvements and the history thereof; and perform all other lawful acts deemed necessary or desirable by Quanta Computer Inc., and its legal representatives, to secure, maintain, and enforce patent protection for such inventions and improvements and for vesting title to such inventions and improvements in the inventions, and in particular to perfect title to said above-identified certain inventions, and applications including divisions and continuations thereof, and any and all Letters Patent which may be granted therefor or thereon, including reissues, extensions, or counterparts;

Each undersigned inventor hereby grants Quanta Computer Inc. and the firm of the power to insert in this Assignment any further identification which may be necessary or desirable for recordation of this Assignment.

This assignment is governed by the substantive laws of Taiwan.

Executed by Inventor 1 of 4

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Signature Hsu-Pin Kao  
**Hsu-Pin Kao**

Date: 2005-3-28

Executed by Inventor 2 of 4

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Signature Hsu-Chia Kao  
**Hsu-Chia Kao**

Date: 2005-3-28

Executed by Inventor 3 of 4

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Signature Yi-Chia Shan  
**Yi-Chia Shan**

Date: 2005-3-28

Executed by Inventor 4 of 4

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Signature Yi-Sheng Yu  
**Yi-Sheng Yu**

Date: 2005-3-28