

02-05-2007

PTO-1595

RE



SHEET U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

103369865

To the Honorable Commissioner of Patents and Trademarks Attached original documents or copy thereof.

1-29-07

<p>1 Name of conveying party(ies):</p> <p>HSIN CHIA CHEN TZU YI CHAO CHUN HUANG LIN JENG FENG LAN YI FANG LEE</p>	<p>2 Name and address of receiving party(ies):</p> <p>PixArt Imaging Corporation 5F, No. 5, Innovation Road I Science Park, Hsin-Chu, Taiwan, R.O.C.</p>						
<p>3 Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger</p> <p><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name</p> <p><input type="checkbox"/> Other: Execution Date: <u>January 8, 2007</u></p>	<p>Additional name(s) &amp; address(es) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>						
<p>4 Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <table border="1"> <tr> <td data-bbox="100 798 820 850">A. Patent Application No(s).</td> <td data-bbox="820 798 1515 850">B. Patent No(s)</td> </tr> <tr> <td data-bbox="100 850 820 903">92,000-038 (PA-1005)</td> <td data-bbox="820 850 1515 903"></td> </tr> <tr> <td data-bbox="100 903 820 955">Serial No. Not Assigned</td> <td data-bbox="820 903 1515 955"></td> </tr> </table> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		A. Patent Application No(s).	B. Patent No(s)	92,000-038 (PA-1005)		Serial No. Not Assigned	
A. Patent Application No(s).	B. Patent No(s)						
92,000-038 (PA-1005)							
Serial No. Not Assigned							
<p>5 Name and address of party to whom correspondence concerning document should be mailed:</p> <p>RANDY W. TUNG Tung &amp; Associates 838 W. Long Lake Road Suite 120 Bloomfield Hills, Michigan 48302</p>	<p>6 Total number of applications and patents involved: <u>1</u></p> <p>7 Total fee (37 CFR 3.41) <b>\$40.00</b></p> <p><input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> <b>Authorized to charge credit card (w/filing fee)</b></p> <p>8 Deposit Account Number: (Attach duplicate copy of this page if paying by deposit account)</p>						

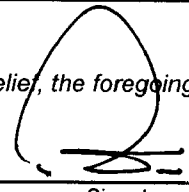
112955 U.S. PTO  
11/699738  
012907

DO NOT USE THIS SPACE

9 Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Randy W. Tung  
Name of Person Signing  
Registration No. 31,311

  
Signature

1/29/07  
Date

Total number of pages including cover sheet, attachments, and document :

02/01/2007 JBALINAN 00000018 11699738

05 FC:8021

( 40.00 OP )

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**ASSIGNMENT**

WHEREAS, we, Hsin Chia Chen, Tzu Yi Chao, Chun Huang Lin,

Jeng Feng Lan, and Yi Feng Lee, have invented certain improvements in:

**"METHOD EMPLOYING BUMPING ALGORITHM FOR ESTIMATION OF SIGNAL  
FREQUENCY AND DISPLACEMENT ESTIMATION METHOD AND DEVICE"**

for which we are about to make application for Letters Patent of the United States; and

WHEREAS, PixArt Imaging Incorporation, R.O.C, is desirous of acquiring the entire right, title and interest in and to said invention;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we, Hsin Chia Chen, Tzu Yi Chao, Chun Huang Lin, Jeng Feng Lan, and Yi Feng Lee, by these presents, do hereby sell, assign and transfer unto the said corporation and its assigns, for the territory of the United States of America and all foreign countries, the entire right, title and interest, including all priority rights under the International Convention associated with each country of the Union, in and to said invention as described in the patent application executed by us on the execution date as below, preparatory to obtaining Letters Patent of the United States thereon, and in and to said application and any Letters Patent that may be granted in pursuance of said application and any divisional, continuation or continuation-in-part application thereof, and in and to any reissue of any such patent, and in and to any patent applications which may be filed on said invention in countries foreign to the United States and any Letters Patent granted thereon.

We further authorize said corporation to apply for foreign patents on said invention in its own name or through its designees, including subsidiaries, related companies or assignees, under the International Convention or otherwise, and we further agree to execute all papers, including those required for the United States and foreign applications, and to perform such other proper acts as said corporation or its designees the rights herein assigned.

Hsin Chia Chen      Hsin-Chia Chen      1/8/2006  
(Signature by first inventor/assignor)      (Date)

Tzu Yi Chao      CHAO, TZUYI      1/8/2006  
(Signature by second inventor/assignor)      (Date)

Chun Huang Lin      Chun Huang Lin      1/8/2006  
(Signature by third inventor/assignor)      (Date)

Jeng Feng Lan      Jeng-Feng Lan      1/8/2006  
(Signature by fourth inventor/assignor)      (Date)

Yi Fang Lee      LEE, YIFANG      1/8/2006  
(Signature by fifth inventor/assignor)      (Date)

**TUNG & ASSOCIATES**  
838 W. Long Lake Road  
Suite 120  
Bloomfield Hills, Michigan 48302