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3. Nature of conveyance: Assignment			Street Address: No. 22-3, South 2nd Road, TEPZ Taichung, Taiwan, R.O.C.			
Assignment	Additional name(s) of conveying partyles) attached?					
Security Agreement	3. Nature of conveyance:					
Execution Date: (1-2) June 17, 2004; (3-4) June 23, 2004 4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: (1-2) June 17, 2004; (3-4) June 23, 2004 A. Patent application No.(s) B. Patent No.(s) Additional numbers attached? Yes No	Security Agreement					
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A. Patent application No.(s) Additional numbers attached? ☐ Yes ☒No Additional number of applications/patents involved: [1] 7. Total fee (37 CFR 3.41) \$ 40.00 ☐ Authorization to charge credit card (attached) Additional number of applications/patents involved: [1] 7. Total fee (37 CFR 3.41) \$ 40.00 ☐ Authorization to charge credit card (attached) Authorization to charge credit card (attached) Authorization to charge credit card (attached) Bob 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. Daniel R. McClure Daniel R. McClure Daniel R. McClure Authorization to charge credit card (attached) Bob Not Use THIS SPACE	4. Application number(s) or patent nu	umber(s):				
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5. Name and address of party to whom correspondence concerning document should be mailed: Daniel R. McClure Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway. Suite 1750 Atlanta, Georgia 30339-5948 Atlanta, Georgia 30339-5948 Atlanta Georgia	A. Patent application	n No.(s)		B. Patent	No.(s)	
Daniel R. McClure Thomas, Kayden, Horstemeyer & Risley, L.L.P. 100 Galleria Parkway, Suite 1750 Atlanta, Georgia 30339-5948 2004 LWONDIM 0000043 10883447 FC 8021 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. Daniel R. McClure 7. Total fee (37 CFR 3.41) \$ 40.00 □ Enclosed □ Authorization to charge credit card (attached) □ 20-0778 (Attach duplicate copy of this page if paying by Deposit Account) 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. Daniel R. McClure		Additional numbers attach	ned? ☐ Yes ☑N	No / U	188344	7
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Typed Name Signature Date	Daniel R. McClure Dank The July 1, 2004					
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Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 015543 FRAME: 0509

ASSIGNMENT

WHEREAS, Chung-Ling CHOU, Chun-Mi	ng CHEN, Hui-Chih TSENG,					
and Mu-Yuan WU hereafter referred to as ASSIGNO						
and useful improvements as described and set forth in the below identified application for						
United States Letters Patent:						
TOTAL						
Title: IMAGE SWITCHING APPARATUS FOR ELECTRONIC CAMERA						
Filed: Serial No.						
Executed on:June 17, 2004; June 23, 2004						
WHEREAS, ASIA OPTICAL CO., INC.	of No. 22-3. South 2^{nd}					
Rd., TEPZ., Taichung, Taiwan, R.O.C.	hereinafter referred to as					
ASSIGNEE, is desirous of acquiring ASSIGNOR'S in	nterest in the said invention and					
application and in any U.S. Letters Patent which may be gr	ranted on the same;					
NOW THE PERSON TO ALL MINOR OF LAND						
NOW, THEREFORE, TO ALL WHOM IT MAY						
good and valuable consideration, receipt of which is h Assignor has/have sold, assigned and transferred, and by						
and transfer unto the said Assignee, and Assignee's succ	<u> </u>					
rights, title and interest in and to the said invention	— · · · · · · · · · · · · · · · · · · ·					
improvements thereon, and in and to any Letters Patent v	* *					
the same in the United States, the said interest to be hel-						
fully and exclusively as it would have been held and e						
Assignment and transfer not been made, to the full end an						
may be granted thereon, or of any division, renewal,	_ ·					
substitution, conversion, reissue, prolongation or extension	i thereof.					
Assignor further agrees/agree that he/she/th	ev will without charge to said					
Assignee, but at Assignee's expense, cooperate with Assignee						
application and/or applications, execute, verify, acknow	~					
papers, including applications for Letters Patent and for t						
of assignment and transfer thereof, and will perform such	· · · · · · · · · · · · · · · · · · ·					
may request, to obtain or maintain Letters Patent for said invention and improvement, and to						
vest title thereto in said Assignee, or Assignee's successor	s and assigns.					
D. TEGTH (ONLY MITTED FOR A						
IN TESTIMONY WHEREOF, Assignor has/have s	signed his/her/their name(s) on the					
date(s) indicated.						
	1-17					
Chung-Ing CHOU	2004-6-17 Date:					
Chung-In a CHOU	Date:					
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Chun-Ming Chen Chun-Ming CHEN	$\frac{2004 \cdot 6 \cdot 1}{\text{Date:}}$					
Chun-Ming CHÈN	Date:					

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Hur-Chrh TSBNG	2004.6.23
Hui-Chih TSENG	Date:
My-Yuan WU	2004.06.23
Mu-Yuan WU	Date:

0757-A20139US

RECORDED: 07/01/2004

PATENT REEL: 015543 FRAME: 0511