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Conveying Party(				Execution Date(s	)	
1. Jin-woo KIM 2. Dong-woo KIM 3.			December 21, 2005 December 21, 2005			
☐ Mark if Addition	nal Names of Conve	ying Parties Attached	<u></u>			
Name Address Address Address	SAMSUNG TECH 28 Sungju-dong <u>Changwon-city</u> City		ngnam-do, Republi ntry	c of Korea	Zip Code	
Mark if Additio	nal Names of Receiv	ing Parties Attached	1			
Application Number(s) or Patent Number(s)			Telephone: (312) 569-1000 Facsimile: (312) 569-3000 Attorney Docket No. P2574US    conveyance document including any attachments: 2   Mark if additional numbers attached O NOT ENTER BOTH numbers for the same property).			
	ent Application Number ent Application Num		ON <u>OTENTER BOTH NU</u>	Patent Numbers	eny).	
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If this document is being filed together with a new Patent Apapplication was signed by the first named executing inventor				ate the patent	Month Day Year	
Enter PCT applica	Patent Cooperation Treaty (PCT) Enter PCT application number <i>only if</i> a U.S. Application Number has not been assigned.		PCT	PCT	PCT	
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Number of Prope	rties		Enter the to	otal number of prope	erties involved: 1	
Fee Amount  Fee Amount for Properties Listed (37 CFR 3.41): \$40.00  Method of Payment:  Enclosed is a check in the amount of \$  Charge Deposit Account No. 07-0181in the amount of \$40.00						
Authorization to Charge Additional Fees to Deposit Account No. 07-0181: Yes No  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. Charges to deposit account are authorized, as indicated herein.						
Brian C. Rupp		R.C.	Teo	February 9, 2006		
	erson Signing	Sign	жите	D	ate	
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PATENT
Attorney Docket No. P2574US

Gardner Carton & Douglas LLP 191 N. Wacker Drive, Suite 3700 Chicago, Illinois 60606-1698

## ASSIGNMENT

WHEREAS, WE, Jin-woo Kim and Dong-woo Kim of c/o Samsung Techwin Co., Ltd., 42 Seongju-dong, Changwon-si, Gyeongsangnam-do, Republic of Korea respectively, have invented and own a certain invention entitled:

## ZOOM LENS OPTICAL SYSTEM

for which invention we have executed an application (provisional or non-provisional) for a U.S. patent, which was filed on 01/09/2006, under U.S. Application No. 11/328,903, and

WHEREAS, Samsung Techwin Co., Ltd., of 28 Sungju-dong, Changwon-city, Kyongsangnam-do, Republic of Korea (hereinafter referred to as Assignee), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the invention described in the patent application.

Now, THEREFORE, for good and valuable considerations, the receipt and sufficiency of which are hereby acknowledged, we assign and transfer to the Assignee and the Assignee's legal representatives, successors and assigns the full and exclusive rights in and to the invention in the U.S. and every foreign country and the entire right, title, and interest in and to the patent application and other such applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the invention, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon, and we do hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this assignment document.

WE HEREBY AUTHORIZE the Assignee to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

UPON SAID CONSIDERATION, we convey to the Assignee the right to make application in its own behalf for protection of the invention in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the U.S. application (or any other application on the invention) to gain priority with respect to other applications.

WE DO HEREBY COVENANT and agree with the Assignee that we will not execute any writing or do any act whatsoever conflicting with the terms of this assignment document set forth herein, and that we will at any time upon request, without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the U.S. or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and

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other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of all parties hereto.

In WITNESS WHEREOF, we have hereunder set our hands on the dates shown below.

Date_	21 December 2005	Jin-Woo Kim
Date_		Witness
Date_		Witness
Date_	21 December 2005	Dong - Woo Kim Dong-Woo Kim
Date_		Witness
Date		Witness