01-12-2005 U.S. Department of Commerce **FORM PTO-1595 Patent and Trademark Office** 1-31-92 Attorney Docket No. 04805.0221 Attorney Customer Number: 22,852 To the Honorable Commissioner of Pater **ITTN. BOX ASSIGNMENTS RECORDATION** 102918703 **SERVICES** Please record the attached original docu-Name of conveying party(ies): 2. Name and address of receiving party(ies): 1. 82.E In Su KIM Name: DongbuAnam Semiconductor Inc. Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No 891-10 Daechi-dong, Gangnai Internal Address: Seoul, Korea Street Address: 3. Nature of conveyance: \boxtimes City: Merger Assignment Security Change of Name State: Zip Code: Agreement Other: Additional name(s) & Address(es) attached? **Execution Date:** December 21, 2004 ☐ Yes ☑ No Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of 4. the application: December 21, 2004 B. Patent Number(s): A. Patent Application Number(s): 01/03/2005 HTECKLU1 00000044 11022827 40.00 04 FQ:8021 Additional numbers attached? ☐ Yes ⊠ No Name and address of party to whom correspondence Total number of applications and registrations 5. 6. concerning document should be mailed: involved: 1 7. Total fee (37 CFR 3.41): \$40 Mr. Ernest F. Chapman Name: \bowtie Enclosed (Please charge deficiency to deposit account) Authorized to be charged to deposit account FINNEGAN, HENDERSON, FARABOW, GARRETT Internal Address: & DUNNER, L.L.P. Street Address: 1300 | Street, N.W. City: Washington, D.C. 8. 20005-3315 Deposit Account No.: 06-0916 State: Zip: 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. December 28, 2004 Ernest F. Chapman Signature Date Reg. No. 25,961 Total number of pages including cover sheet, attachments and documents: 3

> PATENT REEL: 016132 FRAME: 0923

Attorney Docket No.: 04805.0221-00000

SOLE INVENTION (U.S. Rights Only)

ASSIGNMENT

WHEREAS, I, the below named inventor, (hereinafter referred to as Assignor), have made an invention entitled:

CMOS IMAGE SENSOR AND METHOD FOR FABRICATING THE SAME

for which I executed an application for United States Letters Patent concurrently herewith or on or filed an application for United States Letters Patent on (Serial No.); and

WHEREAS, DongbuAnam Semiconductor Inc., a corporation of Korea, whose post office address is 891-10 Daechi-dong, Gangnam-gu, Seoul, Korea (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application,

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, I, as assignor, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, my entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I HEREBY further covenant and agree that I will, without further consideration, communicate with assignee, its successors and assigns, any facts known to me respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, I HEREBY authorize and request the attorneys I have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. filed) the filing date and application number of said application when known.

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

PATENT REEL: 016132 FRAME: 0924

Attorney Docket No.: 04805.0221-00000

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Assignor

In Su KIM

474-1 Sangwoo-ri,

Gamgok-myun, Eumsung-gun, Choongcheongbukdo, Korea

Citizenship: Republic of Korea

Signature: Lim

RECORDED: 12/28/2004

Date: 12/24/2004

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

PATENT REEL: 016132 FRAME: 0925