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тяян To the Honorable Commissioner of raterus and Pagemarks. Queue record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Lee-Sup KIM, Chang-Hyo YU \7.8.53 Name: SAMSUNG ELECTRONICS CO., LTD Additional name(s) of conveying party(ies) Internal Address: 416, Maetan-dong attached? □ Yes ☒ No Yeongtong-qu, Suwon-si, Gyeonggi-do 3. Nature of conveyance: Republic of Korea ☑ Assignment □ Merger Additional name(s) & address(es) \square Security Agreement \square Change of Name attached:

Yes

No ☐ Other __ Execution Date: November 26, 2003 If this document is being filed together with a new application, the execution of the application is: November 26, 2003 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached?

Yes

No 5. Name and address of party to whom Total number of applications and correspondence concerning document patents involved: should be mailed: Total fee (37 C.F.R. §3.41): \$40.00 Name: Frank Chau, Esq. ☑ Credit Card Payment Form PTO-2038 Street Address: F. CHAU & ASSOCIATES, LLP enclosed ☐ Authorized to be charged to deposit 1900 Hempstead Turnpike, Suite 501 account City: East Meadow State: NY Zip: 11554 Deposit account number: 12/11/2003 WABDELR1 00000024 10730226 (Attach duplicate copy of this page if 02 FIC:8021 40.00 DP paying by deposit account) 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. Richard D. Ratchford, Jr. Registration No. 53,865 Name of Person Signing Total number of pages including cover sheet, attachments and documents: Do not detach this portion Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents Box Assignments Washington, D.C. 20231

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ASSIGNMENT

DOCKET NO.: 8021-199 (SS-20286-US)

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: Samsung Electronics Co., Ltd.

ADDRESS: 416, Mactan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, Republic of Korea

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: 3D GRAPHICS RENDERING ENGINE FOR PROCESSING AN INVISIBLE FRAGMENT AND A METHOD THEREFOR

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. 8021-199 (SS-20286-US), or is more particularly identified as:

executed on even date herewith, or											
Serial	No.		filed	in	the	U.S.	Patent	&	Trademark	Office	on
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execut	ed on								,		

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and reexamined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG ELECTRONICS CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request <u>Frank Chau</u>, <u>Reg. No. 34,136</u>, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

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I HEREBY DECLARE that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under '1001 of Title 18 U.S. Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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