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Attorney's Docket No. 030681-442

1022/170	5 111101 1110 1 1 1 1 1 1 1 1 1 1 1 1 1	
To the Honorable Commissioner of Patents and Trademarks.	Please record the attached original documents or copy thereof	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	
Ki-seung LEE; Jeong-su KIM: and Jac-won LEE	Name: Samsung Electronics Co., Ltd.	
Additional name(s) of conveying party(ies) attached? [] Yes [X] No	Address: 416 Maetan-dong, Paldal-gu	
3. Nature of conveyance	Suwon-city, Kyungki-do, Republic of Korea	
[X] Assignment [] Merger [] Change of Name		
Other:		
Execution Date: October 26, 2002	Additional name(s) & address(es) attached? [] Yes [X] No	
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: October 26, 2002	
A. Patent Application No.(s)	B. Patent No.(s)	
11284184		
Additional numbers attached? [] Yes [X] No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: <u>one</u>	
Name: Charles F. Wicland III	7. Total fee (37 CFR § 3.41): \$_40.00	
Address: Burns, Doane, Swecker & Mathis, L.L.P.	[X] Enclosed	
P.O. Box 1404	[X] Authorized to be charged to deposit account, if necessary	
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9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true a Charles F. Wieland III, Reg. No. 33,096 Name of Person Signing Tota	October 31, 2002 Signature Date I number of pages including cover sheet, attachments, and document:	
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1/01/2002 GWORDUF1 00000003 10284189 3 FC:8021 40.0-3 Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 2023

PATENT

(10/02)

REEL: 013439 FRAME: 0470

030681-422 Attorney's Docket No.

ASSIGNMENT

(TMIOL)

Lee, residing at 1) Songpa-gu, Seoul, Re Paldal-gu, Suwon-cit Apt., 1006-1 Bangbae and (hereinafter referred	IMENT, by 1) Ki-seung Lee, 2) Jeong-su Kim and 3) Jae-won 101-802 Garak Woosung 2-cha Apt., 124-4 Garakbon-dong, ep. of Korea, 2) 3-1009 Samsung 2-cha Apt., 810 Maetan 4-dong y, Kyungki-do, Rep. of Korea, and 3) 807, Seocho ESA 3-cha a 3-dong, Seocho-gu, Seoul, Rep. of Korea to as "the Assignors"), respectively, witnesseth: The Assignors have invented certain new and useful improvements inOR SPEECH SYNTHESIS USING A SMOOTHING FILTER
set forth in an applicatio	n for Letters Patent of the United States,
(1) 🗆 whi	ch is a provisional application
(a)	☐ bearing Application No, and filed on _;
(b)	□ to be filed herewith; or
(2) 🗆 whi	ch is a non-provisional application
	☐ bearing Application No, and filed on;
	having an oath or declaration executed on even date herewith prior to filing of application;
(c)	D having an oath or declaration executed on a different date than this Assignment; and
WHEREAS, _	Samsung Electronics Co., Ltd.
corporation duly organized and having its principal p Kyungki =do. Rep. of of acquiring the entire right on said inventions and the provisional applications for	d under and pursuant to the laws of Rep. of Korea lace of business at 416 Maetan-dong, Paldal-gu, Suwon-city Korea (hereinafter referred to as "the Assignee"), is desirous to title, and interest in and to said inventions, the right to file applications are entire right, title and interest in and to any applications, including Letters Patent of the United States or other countries claiming priority and to any Letters Patent or Patents, United States or foreign, to be

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including

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Application No)
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provisional applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby authorize and request the attorneys of BURNS, DOANE, SWECKER & MATHIS, L.L.P. of Alexandria, Virginia to insert in the spaces provided above the filing date, application number, and attorney docket number of said application when known.

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date 2002/10/26 Signature of Assignor Ki-seung Lee

Date b Oct > Signature of Assignor Jeong-su Kim

Date 16 Oct 2008 Signature of Assignor Jae-won Lee

(10/01)