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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

4/77/17			
4/22/02	ATTORNEY DOCKET NO. SAMS01-00171		
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):		
Adnan Kavak Joseph R. Cleveland	Name: Samsung Electronics Co., Ltd.		
Additional name(s) of conveying party(ies) attached?	Internal Address: 416, Maetan-dong, Paldal-gu Suwon-city, Kyungki-do		
□ Yes ⊠ No	Republic of Korea		
3. Nature of conveyance:	Post Office Address: Same as above		
Assignment			
Security Agreement Change of Name			
Other	Additional name(s) & address(es) attached? Yes No		
Execution Date: February 20, 2002 and February 21, 2002, respectively			
4. Application number(s) or patent number(s):			
If this document is being filed with a new application, the execution date of the application is:			
A. Patent Application No. 10/078,277	B. Patent No.(s)		
Filed: February 19, 2002			
Additional numbers attached?			
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1		
Name: Docket Clerk	7. Total fee (37 CFR 3.41): 40.00		
Internal Address: P.O. Drawer 800889 Dallas, Texas 75380	⊠ Enclosed		
	Any deficiencies or overpayments are authorized to be charged to or credited to deposit account		
Post Office Address: Same as above	8. Deposit account number: 50-0208		
	Attach duplicate copy of this page if 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 attacked copy is a true copy of the original document  William A. Munck, Registration No. 39,308  William A. Munck, Registration No. 39,308			
William A. Munck, Registration No. 39,308  Will Munck Signature  Date			
Total number of pages including cover sheet, attachments, and document: _4_			
OMB No. 0651-0011			

PATENT REEL: 012835 FRAME: 0020

## ASSIGNMENT

WHEREAS, We, Adnan Kavak, resident of Yarimca, Izmit, Turkey, citizen of Turkey, and Joseph R. Cleveland, resident of Richardson, Dallas County, Texas, citizen of the United States of America, have invented certain new and useful improvements in an "APPARATUS AND METHOD FOR ALLOCATING WALSH CODES TO ACCESS TERMINALS IN AN ADAPTIVE ANTENNA ARRAY CDMA WIRELESS NETWORK" disclosed in an application for United States Letters Patent (Application No. 10/078,277, filed February 19, 2002), said application having been executed concurrently herewith;

WHEREAS, SAMSUNG ELECTRONICS CO., LTD, a corporation organized under the laws of the Republic of Korea, having a place of business at 416, Maetan-dong, Paldal-gu, Suwoncity, Kyungki-do, Republic of Korea (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring my entire right, title and interest in and to the invention, and in and to the said application and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest in and to said invention and in and to said application and all patents which may be granted therefor, and all divisions, reissues, substitutions, continuations, continuations-in-part and extensions thereof; We authorize William A. Munck or John T. Mockler of Davis Munck, P.C. to insert in the parenthesis above the application number and filing date of said application when known; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patents resulting therefrom, insofar as our interest is concerned, to the said ASSIGNEE of our entire right, title and interest.

We also hereby sell and assign to said ASSIGNEE, its successors, assigns and legal representatives the full and exclusive rights, title and interest to the invention disclosed in said application throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such rights, title and interest in ASSIGNEE, its successors, assigns and legal representatives.

We hereby further agree that we will communicate to said ASSIGNEE, or to its successors, assigns and legal representatives, any facts known to us respecting any improvements; and, at the expense of said ASSIGNEE, to testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, and make all lawful oaths, and generally do everything possible to vest title in said ASSIGNEE and to aid said ASSIGNEE, its successors, assigns and legal representatives to obtain and enforce proper protection

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Adnan Kavak

02/20/2002

Date

Signature of witness

Bilal Saracoglu

(Printed Name)

University of Kocaeli (Street Address)

12mit, 41100, Turkey

(City, Country)

Ercument KACARAI

(Printed Name)

University of Kornel.

(Street Address)

(City, Country)

SAMSel-171 assignment"

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Joseph Cleveland

STATE OF TE	XAS	
`	<b>N</b> 11	
COUNTY OF	Dallas	

On this 2 st day of rebruary, 2002, before me, a Notary Public in and for the State and County aforesaid, personally appeared Joseph Cleveland, known to me to be the person named above who signed and sealed the foregoing instrument, and acknowledged the same to be his own free act and deed.

PATRICIA JOANN HICKS
MY COMMISSION EXPIRES
December 9, 2005

Notary Public, State of Texas

My Commission Expires:

December 9, 2005