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PD-970105

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FORM PTO-1595	U.S. DEPARTMENT OF COMMERCE				
1-31-92	Patent and Trademan Offi				
RECORDATION FORM					
PATENTS O	NLY				
To the Hannachia Commissioner of Datasta and Tradomerka Diagon re	sound the etteched original decuments as sout the Str				
To the Honorable Commissioner of Patents and Trademarks. Please re 1. Name of conveying party(ies):	O Name and address for a district of Carlo				
1. Name of conveying party(les).	2. Name and address of receiving party(less)				
KUANG-YU LI, JEFFREY E. OUTWATER AND	Name: HUGHES ELECTRONICS CORPORATION				
WILLIAM F. COURTNEY	Traine. Trooned Ello Montro don't brother				
MINACI	Internal Address: Bldg. 001, M/S A109				
01/10/78	P.O. Box 956				
Additional Name(s) of conveying party(ies) attached?	200 N. Sepulveda Blvd.				
yes □ no 図	El Segundo, CA 90245-0956				
Nature of Conveyance:	Street Address: Bldg. 001, M.S. A109				
☑ Assignment ☐ Merger	200 N. Sepulveda Blvd.				
☐ Security Agreement ☐ Change of Name	El Segundo, California 90245				
□ Other					
	Additional name(s) & address(es) attached? ☐ yes া no				
Execution Date: 7/30/98, 8/5/98 and 9/8/98	Traditional name(s) a address(es) attached:				
Application number(s) or patent number(s):					
· · · · · · · · · · · · · · · · · · ·					
If this document is being filed together with a new application, the	e execution date of the application is: 7/30/98,				
11 7	8/5/98 and 9/8/98				
A. Patent Application No.(s):					
	B. Patent No.(s): 09/13080/				
Additional numbers attached?	□ yes 🗵 no				
	G. Tatal number of amplications and natural involved, 141				
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: [1]				
concerning document should be malied.	7. Total fee (37 CFR 3.41): \$40.00				
Name: Patent Records Administration	7. Telahico (c. c. 110.41).				
Address: Hughes Electronics Corporation	☐ Enclosed				
Bldg. 001, M/S A109	Authorized to be charged to deposit account				
P.O. Box 956					
200 N. Sepulveda Blvd.	8. Deposit account number:				
El Segundo, CA 90245-0956	50-0383				
21/1996 JSHABAZZ 00000067 500383 09150801	(Attached duplicate copy of this page if paying by deposit account)				
La Par 14 AA PAI					
FC:581 40.00 CH DO NOT USE THI	S SPACE				
Statement and signature.					
To the best of my lyngulades and ballof the foregoing information	on in true and correct and any attached convince true				
To the best of my knowledge and belief, the foregoing information copy of the original document.	in is true and correct and any attached copy is a true				
copy of the original document.					
GEORGANN S. GRUNEBACH SAMAJON SUMMEN SUST 91/998					
Registration No. 33,179 Signature	Date				
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•	Total number of pages comprising cover sheet: [1]				

OMB No. 0651-0011 (exp. 4/94)

HUGHES

ASSIGNMENT

Page 1 of 2 PD-970105 Customer No. 020991

WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) Cellular Communication System Employing Dynamic Preferential Channel Allocation for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on ______ as Serial No. _______; and

WHEREAS, HUGHES ELECTRONICS CORPORATION, (hereinafter referred to as HUGHES), a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;

NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to HUGHES, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in- part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said HUGHES, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to HUGHES, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by HUGHES, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of HUGHES, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in HUGHES, its successors, assigns or other legal representatives.

13650 CO JAN 98

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE
KUANG-YU LI			
RESIDENCE (CITY AND STATE)		INVENTIO	ON AGREEMENT DATE
3549 PHEASANT ST. GLENDALE, CA 91206		August 28, 1995	
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE
JEFFREY E. OUTWATER			
RESIDENCE (CITY AND STATE)		INVENTIO	N AGREEMENT DATE
29160 W. QUAIL RUN DR., AGOURA HILLS, CA 91301		January 17, 1972	
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE
WILLIAM F. COURTNEY	William F CSC		7/30/98
RESIDENCE (CITY AND STATE)		INVENTIO	N AGREEMENT DATE
2801 MONTAIR AVENUE, LONG BEACH	H, CA 90815	Decemb	er 5, 1996
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE (CITY AND STATE)		INVENTIO	N AGREEMENT DATE
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE
RESIDENCE (CITY AND STATE)		INVENTIO	N AGREEMENT DATE
STATE OF CALLEDRNIA	`	:	
STATE OF CALIFORNIA COUNTY OF LOS ANCIELE) SS:		
	reme, TARA L. DIAMO	ND	
a Notary Public in and for said State, pers			
□ personally known to me or □ proved to name(★) is/are subscribed to the within same in his/her/their authorized capacit person(★), or the entity upon behalf of whi	instrument and acknowledged to me that y(l es), and that by his/ her/their signatur	at he /she /t re(s ∛ on th	hey executed the
	ch the person(s) acted, executed the instri	u	
WITNESS my hand and official seal		1 4	numoxa

13650 CO JAN 98

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE	
KUANG-YU LI	of the		08/05/98	
RESIDENCE (CITY AND STATE)	0	INVENTIO	ON AGREEMENT DATE	
3549 PHEASANT ST. GLENDALE, CA 91	206	August 2	28, 1995	
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		D. 175	
JEFFREY E. OUTWATER	for E Outer		8 Syst, 1998	
RESIDENCE (CITY AND STATE)		INVENTIO	N AGREEMENT DATE	
29160 W. QUAIL RUN DR., AGOURA HIL	LS, CA 91301	January	17, 1972	
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE	
WILLIAM F. COURTNEY	INVENTORIO GIGIOTTONE		DATE	
RESIDENCE (CITY AND STATE)		INVENTIO	N AGREEMENT DATE	
2801 MONTAIR AVENUE, LONG BEACH, CA 90815			December 5, 1996	
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTORIC CICNATURE	,		
FOLL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE		DATE	
RESIDENCE (CITY AND STATE)	170.1	INVENTIO	N AGREEMENT DATE	
FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	· · · · · · · · · · · · · · · · · · ·	DATE	
TOLE INVIDE OF GOLE ON SOME INVENTOR	INVENTOR'S SIGNATURE		DATE	
RESIDENCE (CITY AND STATE)		INVENTIO	N AGREEMENT DATE	
STATE OF California)			
COUNTY OF Los Angeles) SS:)			
On August 5, 1998 before	e me,Donna M. Meehan		,	
a Notary Public in and for said State, person Kuang-Yu Li	onally appeared		1	
Dersonally known to me or Deproved to name(s) (sayare subscribed to the within it same in his/her/their authorized capacity person(s), or the entity upon behalf of which	nstrument and acknowledged to me tha (ies), and that by his/her/their signature	(he)she/fe(s) on the	they executed the	
WITNESS my hand and official seal.	•			
DONNA M. MEEH, Commission # 1166 Notary Public - Calif	998 Y Notary Public VOW	w M	Meekan)	

13650 CO JAN 98

Los Angeles County
My Comm. Expires Dec 29, 2001

ASSIGNMENT

ADDENDUM PD-970105

STATE OF	California)			
COUNTY OF	Los Angeles) SS:)			
On <u>Septem</u>	ber 8, 1998	, before me, _	T. MONTO	OMERY	71	1
	in and for said State, pe	• • •		E. OUTWATER	*****	****
****	******	*****	*****	******	*****	* * * * *
is/are subscribed authorized capa	own to me or ix proved d to the within instrument icity(ies), and that by h he person(s) acted, exe	nt and acknowled nis/her/their signa	ged to me that I ature(s) on the	he/she/they execute	ed the same in his/	/her/thèir
WITNES	SS my hand and official :	seal.				
NNA	T. MONTGOMERY Commission # 1074098 Notary Public — California Los Angeles County My Comm. Expires Oct 1, 19	•	Notary	Public 1	Dulgon	ery
STATE OF)) SS:			
COUNTY OF)			
On		, before me,	. /	/		
a Notary Public i	n and for said State, per		d /			,
•				,		
is/are subscribed authorized capa	own to me or □ proved to the within instrumen city(ies), and that by he person(s) acted, exe	it and acknowled iis/her/their signa	ged to me that I sture(s) on the	ne/she/they execute	ed the same in his/	her/thèir
WITNES	SS my hand and official s	seal.				
			Notary	Public		
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PATENT REEL: 9460 FRAME: 0582

RECORDED: 09/10/1998