

08-08-2000



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PD-970422

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b> FARZAD TALAIE, JOHN G. HIMES, ANTHONY R. NOERPEL, JOHN L. ROTONDO, RICHARD H. JOHNSON  <b>Additional Name(s) of conveying party(ies) attached?</b>  yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	<b>2. Name and address of receiving party(ies):</b>  Name: HUGHES ELECTRONICS CORPORATION  Internal Address: Bldg. 001, M/S A109 PO Box 956 200 N. Sepulveda Blvd. El Segundo, CA 90245-0956  Street Address: 200 N. Sepulveda Blvd. P.O. Box 956 El Segundo, California 90245  Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
<b>3. Nature of Conveyance:</b>  <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other  Execution Date: <u>July 5, 7, 11 and 18, 2000</u>	

**4. Application number(s) or patent number(s):** 09/552,297

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)	B. Patent No.(s)
Additional numbers attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no	

<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Name: HUGHES ELECTRONICS CORPORATION Internal Address: Bldg. 001, M/S A109 PO Box 956 200 N. Sepulveda Blvd. El Segundo, CA 90245-0956  <b>PLEASE ASSOCIATE THIS APPLICATION WITH CUSTOMER NO. 020991.</b>	<b>6. Total number of applications and patents involved:</b> [ 1 ]  <b>7. Total fee (37 CFR 3.41):</b> <u>\$40.00</u>  <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <b>8. Deposit account number:</b>  <u>50-0383</u> (Attached duplicate copy of this page if paying by deposit account)
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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.*

MICHAEL W. SALES Name of Person Signing	 Signature	<u>JULY 19, 2000</u> Date
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Total number of pages comprising cover sheet: [ 1 ]



## ASSIGNMENT


Page 1 of 2  
PD-970422

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) **RADIO SIGNAL BROADCAST SYSTEM AND METHOD** 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 April 19, 2000, as Serial No. 09/552,297; 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.

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Farzad Talaie	INVENTOR'S SIGNATURE 	DATE 7/5/00
RESIDENCE (CITY AND STATE) 1805 Belmont Lane, #B, Redondo Beach, California 90278		INVENTION AGREEMENT DATE June 11, 1990

FULL NAME OF SOLE OR JOINT INVENTOR John G. Himes	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) 2030 Frederick Street, Placentia, California 92680		INVENTION AGREEMENT DATE March 5, 1979

FULL NAME OF SOLE OR JOINT INVENTOR Anthony R. Noerpel	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) 14068 Rehobeth Church Rd., Lovettsville, Virginia 20180		INVENTION AGREEMENT DATE August 28, 1995

FULL NAME OF SOLE OR JOINT INVENTOR John L. Rotondo	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) 758 Maryland Street, El Segundo, California 90245		INVENTION AGREEMENT DATE July 8, 1982

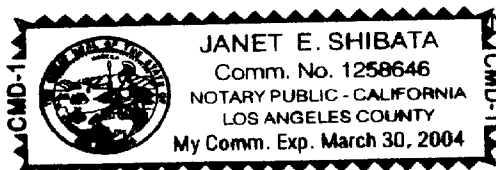
FULL NAME OF SOLE OR JOINT INVENTOR Richard H. Johnson	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) 523 South Helberta Avenue, Redondo Beach, California 90277		INVENTION AGREEMENT DATE June 18, 1969

STATE OF CALIFORNIA )  
COUNTY OF LOS ANGELES ) SS:

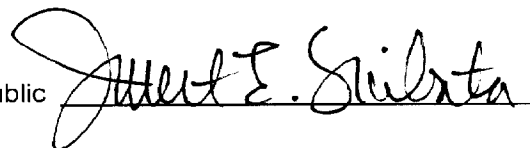
On July 5, 2000 before me, JANET E. SHIBATA,  
a Notary Public in and for said State, personally appeared  
FARZAD TALAIE,

o personally known to me or ~~to~~ proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose  
name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the  
same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by his/~~her/their~~ signature~~(s)~~ on the instrument the  
person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public



IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Farzad Talaie	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) 1805 Belmont Lane, #B, Redondo Beach, California 90278		INVENTION AGREEMENT DATE June 11, 1990

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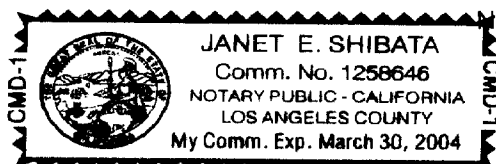
FULL NAME OF SOLE OR JOINT INVENTOR Richard H. Johnson	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) 523 South Helberta Avenue, Redondo Beach, California 90277		INVENTION AGREEMENT DATE June 18, 1969

STATE OF CALIFORNIA )  
 ) SS:  
COUNTY OF LOS ANGELES )

On July 7, 2000 before me, JANET E. SHIBATA,  
a Notary Public in and for said State, personally appeared  
JOHN G. HIMES and RICHARD H. JOHNSON,

o personally known to me or ~~X~~ proved to me on the basis of satisfactory evidence to be the person(s) whose  
name(s) ~~is~~/are subscribed to the within instrument and acknowledged to me that ~~he~~/she/they executed the  
same in ~~his~~/her/their authorized capacity(ies), and that by ~~his~~/her/their signature(s) on the instrument the  
person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

*Janet E. Shibata*

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Farzad Talaie	INVENTOR'S SIGNATURE	DATE
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FULL NAME OF SOLE OR JOINT INVENTOR Richard H. Johnson	INVENTOR'S SIGNATURE <i>Richard H. Johnson</i>	DATE 7/17/00
RESIDENCE (CITY AND STATE) 523 South Helberta Avenue, Redondo Beach, California 90277		INVENTION AGREEMENT DATE June 18, 1969

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS:

On \_\_\_\_\_ before me, \_\_\_\_\_,  
a Notary Public in and for said State, personally appeared \_\_\_\_\_,

o personally known to me or o proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Notary Public \_\_\_\_\_

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Farzad Talaie	INVENTOR'S SIGNATURE	DATE
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FULL NAME OF SOLE OR JOINT INVENTOR John L. Rotondo	INVENTOR'S SIGNATURE <i>John L. Rotondo</i>	DATE 7/18/00
RESIDENCE (CITY AND STATE) 758 Maryland Street, El Segundo, California 90245		INVENTION AGREEMENT DATE July 8, 1982

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STATE OF CALIFORNIA )  
 )  
COUNTY OF LOS ANGELES )

SS:

On July 18, 2000 before me, JANET E. SHIBATA,  
a Notary Public in and for said State, personally appeared  
JOHN L. ROTONDO

o personally known to me or ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Notary Public

*Janet E. Shibata*

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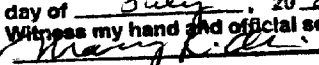
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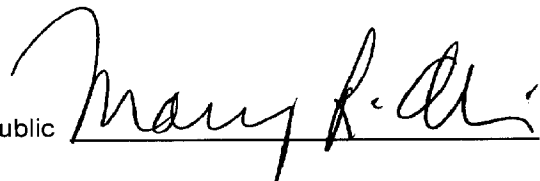
STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS:

On \_\_\_\_\_ before me, \_\_\_\_\_,  
a Notary Public in and for said State, personally appeared \_\_\_\_\_,

o personally known to me or o proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

City/County of FREDERICK  
State of Maryland  
Sworn to and subscribed before me this 12  
day of July, 2000.  
Witness my hand and official seal.  
 Notary Public

Notary Public 

13650 CO (7/98) My Comm. Exps. 2/11, 2004

RECORDED: 07/24/2000

PATENT  
REEL: 010966 FRAME: 0777