

10-06-2000



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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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09643122

PD-990273

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

1. Name of conveying party(ies):  
Robert G. Arsenault  
Jeffrey A. Brown  
Craig A. Finseth  
Philip E. Hsiao  
Additional Name(s) of conveying party(ies) attached?  
yes  no

2. Name and address of receiving party(ies):  
Name: HUGHES ELECTRONICS CORPORATION  
Internal Address: Bldg. 001, M/S A109  
PO Box 956  
200 N. Sepulveda Blvd.  
El Segundo, CA 90245-0956

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: May 18, 2000; May 26, 2000; July 19, 2000

Street Address: 200 N. Sepulveda Blvd.  
P.O. Box 956  
El Segundo, California 90245  
Additional name(s) & address(es) attached?  yes  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:  
May 18, 2000; May 26, 2000; July 19, 2000  
A. Patent Application No.(s) B. Patent No.(s)  
Additional numbers attached?  yes  no

09643122

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: HUGHES ELECTRONICS CORPORATION  
Internal Address: Bldg. 001, M/S A109  
PO Box 956  
200 N. Sepulveda Blvd.  
El Segundo, CA 90245-0956  
**PLEASE ASSOCIATE THIS APPLICATION WITH  
CUSTOMER NO. 020991.**

6. Total number of applications and patents involved: [ 1 ]  
7. Total fee (37 CFR 3.41): \$40.00  
 Enclosed  
 Authorized to be charged to deposit account  
8. Deposit account number:  
50-0383  
(Attached 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 attached copy is a true copy of the original document.*  
John A. Crook, Registration No. 30,830  
Name of Person Signing Signature Date August 21, 2000  
10/05/2000 BYRNE 0000061 500383 09643122 Total number of page: [ 8 ]

**ASSIGNMENT**

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) **METHOD AND APPARATUS FOR AUTOMATED CREATION OF LINKING INFORMATION** 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.

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Robert G. Arsenault	INVENTOR'S SIGNATURE <i>Robert G. Arsenault</i>	DATE 5/18/00
RESIDENCE (CITY AND STATE) Redondo Beach, California		INVENTION AGREEMENT DATE June 11, 1984

FULL NAME OF SOLE OR JOINT INVENTOR Jeffrey A. Brown	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Roseville, Minnesota		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR Craig A. Finseth	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) St. Paul, Minnesota		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR Philip E. Hsiao	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Eden Prairie, Minnesota		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ )

SS:

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

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.

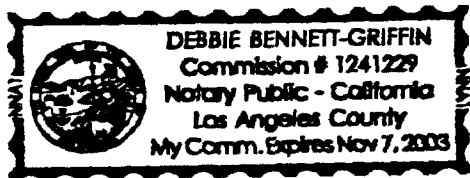
Notary Public \_\_\_\_\_

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

State of California  
County of Los Angeles } ss.

On May 18, 2000, before me, Debbie Bennett-Griffin,  
Date Name and Title of Officer (e.g., "Jane Doe, Notary Public")  
personally appeared Robert T. G. Arsenault,  
Name(s) of Signer(s)

- personally known to me
- 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.

Debbie Bennett-Griffin  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

*Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.*

**Description of Attached Document**

Title or Type of Document: Assignment of Patent Application, PD# 990273

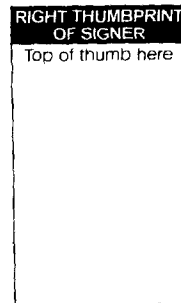
Document Date: May 16, 00 Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer**

- Signer's Name: \_\_\_\_\_
- Individual
  - Corporate Officer — Title(s): \_\_\_\_\_
  - Partner —  Limited  General
  - Attorney in Fact
  - Trustee
  - Guardian or Conservator
  - Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_



**ASSIGNMENT**

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) **METHOD AND APPARATUS FOR AUTOMATED CREATION OF LINKING INFORMATION** 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.

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Robert G. Arsenault	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Redondo Beach, California		INVENTION AGREEMENT DATE June 11, 1984

FULL NAME OF SOLE OR JOINT INVENTOR Jeffrey A. Brown	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Roseville, Minnesota		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR Craig A. Finseth	INVENTOR'S SIGNATURE <i>C. A. Finseth</i>	DATE 2/13/2000
RESIDENCE (CITY AND STATE) St. Paul, Minnesota		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR Philip E. Hsiao	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Eden Prairie, Minnesota		INVENTION AGREEMENT DATE

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)		INVENTION AGREEMENT DATE

STATE OF Minnesota )  
COUNTY OF Ramsey )

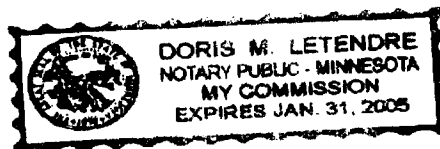
SS:

On May 26, 2000 before me, Doris M. Letendre  
a Notary Public in and for said State, personally appeared  
Craig Finseth

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 Doris M. Letendre



**ASSIGNMENT**

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) METHOD AND APPARATUS FOR AUTOMATED CREATION OF LINKING INFORMATION 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.

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Robert G. Arsenault	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) Redondo Beach, California	INVENTION AGREEMENT DATE June 11, 1984	

FULL NAME OF SOLE OR JOINT INVENTOR Jeffrey A. Brown	INVENTOR'S SIGNATURE <i>[Signature]</i>	DATE 7/19/2000
RESIDENCE (CITY AND STATE) Roseville, Minnesota	INVENTION AGREEMENT DATE	

FULL NAME OF SOLE OR JOINT INVENTOR Craig A. Finseth	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE) St. Paul, Minnesota	INVENTION AGREEMENT DATE	

FULL NAME OF SOLE OR JOINT INVENTOR Philip E. Hsiao	INVENTOR'S SIGNATURE <i>[Signature]</i>	DATE 7/19/2000
RESIDENCE (CITY AND STATE) Eden Prairie, Minnesota	INVENTION AGREEMENT DATE	

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
RESIDENCE (CITY AND STATE)	INVENTION AGREEMENT DATE	

STATE OF INDIANA )  
COUNTY OF HAMILTON ) SS:  
On July 19, 2000 before me, Rita J. Shoufler  
a Notary Public in and for said State, personally appeared  
Jeffrey A. Brown & Philip E. Hsiao

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 Rita J. Shoufler

