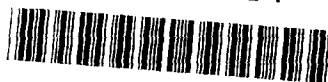


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Attorney Docket Number
10547-0029-999TO THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS
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Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Craig Braswell Owens

09/29/01

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

Execution Date: September 19, 2001

2. Name and address of receiving party(ies):

Name: Hughes Electronics Corporation

Address: 200 N. Sepulveda Blvd.
El Segundo, CA 90245-0956

Country (if other than USA): _____

4. Application number(s) or patent number(s):

09/960568

If this document is being filed together with a new application, the execution date of the application is: September 19, 2001

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS LLP
3300 Hillview Avenue
Palo Alto, CA 94304

6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00
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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.

Dion M. Bregman

45,645

for Thomas D. Kohler

32,797

Name of Person Signing

Reg. No.

Signature

September 20, 2001

Date

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PATENT
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HUGHES**ASSIGNMENT**

Page 1 of 2

Attorney Docket No. 10547-0029-999

Hughes Ref. PD-201137

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) SYSTEM AND METHOD FOR PROVISIONING BROADBAND SERVICE IN A PPPOE NETWORK USING DTMF COMMUNICATION 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

CA1 - 284841.1

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

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ASSIGNMENT

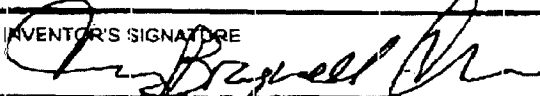
Page 2 of 2

Attorney Docket No. 10547-0029-999

Hughes Ref. PID-201137

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 Craig Braswell Owens	INVENTOR'S SIGNATURE 	DATE 9/19/01
RESIDENCE (CITY AND STATE) San Carlos, California	INVENTION AGREEMENT DATE	

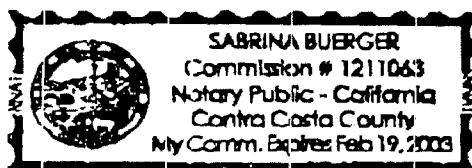
STATE OF California)
COUNTY OF Santa Clara)

SS:

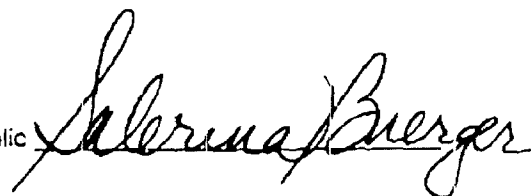
On September 19, 2001 before me, Sabrina Buerger
a Notary Public in and for said State, personally appeared
Craig Braswell Owens

☒ 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



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