502222326 02/06/2013

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mustafa Eroz	03/11/1999
A. Roger Hammons Jr.	03/11/1999

RECEIVING PARTY DATA

Name:	Hughes Electronics Corporation	
Street Address:	2230 E. Imperial Highway	
Internal Address:	CA/LA5/A109	
City:	El Segundo	
State/Country:	CALIFORNIA	
Postal Code:	90245	

PROPERTY NUMBERS Total: 2

Property Type	Number	
Patent Number:	6574767	
Patent Number:	7096404	

CORRESPONDENCE DATA

Fax Number: 3109640941

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Correspondent Name: Janet Shibata

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ATTORNEY DOCKET NUMBER:	PD-980163B/980163D
NAME OF SUBMITTER:	Janet Shihata

Total Attachments: 2

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> **PATENT** REEL: 029766 FRAME: 0825

HUGHES

ASSIGNMENT

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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) <u>Forward Error Correction Scheme for Data Channels Using Universal Turbo Codes</u> 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 <u>January 22</u>, 1999 as Serial No. <u>09/235,582</u>; 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.

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IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR	INVENTOR'S SIGNATURE	DATE
Mustafa Eroz	Mustago Gon	3/11/99
RESIDENCE (CITY AND STATE) Montgomery Village, Maryland		INVENTION AGREEMENT DATE
FULL NAME OF SOLE OR JOINT INVENTOR A. Roger Hammons, Jr.	INVENTOR'S SIGNATURE ARE HAMMOND	DATE 3///99
RESIDENCE (CITY AND STATE) North Potomac, Maryland		INVENTION AGREEMENT DATE
STATE OF Manyland COUNTY OF FIRE LENGT On 3/1/79 befor a Notary Public in and for said State, pers		Broo 15
personally known to me or proved to name(s) is/are subscribed to the within ins in his/her/their authorized capacity(ies), ar the entity upon behalf of which the person	o me on the basis of satisfactory evident trument and acknowledged to me that he ad that by his/her/their signature(s) on the	ce to be the person(s) whose e/she/they executed the same
WITNESS my hand and official seal	Notary Public	Notary Public Frederick County Maryland mission Expires July 31, 2002
STATE OF Maryland COUNTY OF FREEERICE		
f = f + f + f + f + f + f + f + f + f +	e me, <u>Crystad Labros</u> k	t. Roger Hammond (
personally known to me or proved to name(s) is/are subscribed to the within ins in his/her/their authorized capacity(les), and the entity upon behalf of which the person(d that by his/her/their signature(s) on the	e/she/they executed the same
WITNESS my hand and official seal		stal L. Brooks
		YSTAL L, BROOKS Notary Public Trederick County Maryland

PATENT REEL: 029766 FRAME: 0827

RECORDED: 02/06/2013