

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4932444

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DIGITAL FOUNTAIN, INC.	04/24/2018
RECEIVING PARTY DATA	
Name:	QUALCOMM INCORPORATED
Street Address:	5775 MOREHOUSE DRIVE
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 3	
Property Type	Number
Patent Number:	9281847
Application Number:	61156431
Application Number:	61156828
CORRESPONDENCE DATA	
Fax Number:	(858)658-2502
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	858-651-8906
Email:	c_kamesc@qualcomm.com
Correspondent Name:	QUALCOMM INCORPORATED
Address Line 1:	5775 MOREHOUSE DRIVE
Address Line 4:	SAN DIEGO, CALIFORNIA 92121
ATTORNEY DOCKET NUMBER:	091541
NAME OF SUBMITTER:	KRISTA AMES-COOK
SIGNATURE:	/Krista M. Ames-Cook/
DATE SIGNED:	04/25/2018
Total Attachments: 4	
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PATENT ASSIGNMENT

WHEREAS, Digital Fountain, Inc., is a Delaware corporation having a place of business located at 5775 Morehouse Drive, San Diego, CA 92121, U.S.A. (hereinafter "ASSIGNOR").

AND WHEREAS, QUALCOMM Incorporated, a Delaware corporation, having a place of business located at 5775 Morehouse Drive, San Diego, California, 92121, U.S.A. (hereinafter "ASSIGNEE"), has agreed to acquire all right, title and interest in, to and under (i) the registered patents and patent applications identified in the Exhibit attached hereto (hereinafter the "Exhibit 1"), and all provisional applications relating thereto; (ii) all patents issuing on any patent applications identified in the Exhibit; (iii) all reissues, reexaminations, extensions, divisionals, renewals, continuations, continuations-in-part and counterparts (whether foreign or domestic) claiming priority to any of the foregoing items in (i) or (ii) above, along with all patents issuing therefrom; and (iv) all inventions and improvements claimed or described in any of the foregoing items (i), (ii) or (iii) (subsections (i), (ii), (iii) and (iv) hereinafter collectively referred to as the "Patent Items").

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties hereto agree as follows:

ASSIGNOR does hereby sell, assign, transfer, convey and deliver unto ASSIGNEE, its successors, legal representatives and assigns, its entire right, title and interest throughout the world in, to and under the Patent Items, including without limitation all foreign patents and any rights of priority based on or relating to the Patent Items.

AND ASSIGNOR hereby authorizes and requests the Commissioner of Patents of the United States of America, and any Official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications, to issue all patents for the Patent Items to ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this Patent Assignment.

AND ASSIGNOR hereby sells, assigns, transfers, conveys and delivers to ASSIGNEE, its successors, legal representatives and assigns, all rights of enforcement, all claims for damages and all remedies arising out of, relating to or resulting from the Patent Items or any violation(s) thereof, whether accrued prior to the date of this Patent Assignment or hereafter, including but not limited to the right to sue for, seek, collect, recover and retain damages and any other relief arising out of or resulting from any past, present or future infringement or violation of any of the Patent Items, and all other rights, including common law rights, that ASSIGNOR may have relating to the Patent Items, including but not limited to any ongoing or prospective royalties to which ASSIGNOR may be entitled, or that ASSIGNOR may collect for any infringements of any of the Patent Items or from any settlement or agreement related to the Patent Items arising before or after the date of this Patent Agreement, such rights to be held and enjoyed by ASSIGNEE, its successors, legal representatives and assigns, as fully and entirely as the same would have been held and enjoyed by ASSIGNOR if this Patent Assignment had not been made.

AND ASSIGNOR hereby agrees that upon the written request of ASSIGNEE, ASSIGNOR will communicate promptly to ASSIGNEE, its successors, legal representatives and assigns, all facts known to ASSIGNOR respecting the Patent Items, and will testify in any legal proceeding, sign all lawful papers, transfer all file histories, make diligent effort to find or reach every inventor of the Patent Items necessary or appropriate in connection with preparation of any lawful document or proceeding relating to the Patent Items, make reasonable efforts to obtain all necessary or appropriate signed and executed documents relating to the Patent Items from every inventor named in the Patent Items, make all rightful declarations and/or oaths and generally do everything possible to aid ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce patent protection for the Patent Items on a worldwide basis in all countries. ASSIGNEE further covenants and agrees that it will wholly refrain from challenging the validity, enforceability or scope of the Patent Items, whether through opposition, re-examination and/or court proceedings.

[Remainder of Page Intentionally Left Blank]

IN WITNESS WHEREOF, I hereunto set my hand this 24th day of April 2018.

Digital Fountain, Inc.

By: [Signature]

Printed Name: David T. Marr

Title: Vice President

ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of San Diego)

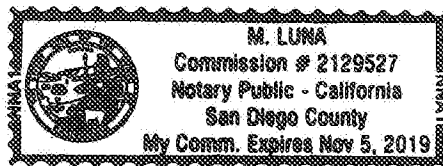
On April 24, 2018 before me, M. Luna, Notary Public
(insert name and title of the officer)

personally appeared David T. Marr, who 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.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature M. Luna (Seal)



IN WITNESS WHEREOF, acknowledged and accepted on this 24th day of April 2018.

On Behalf of QUALCOMM Incorporated

[Signature]

Printed Name: Adam P. Schwenker

Title: V.P., Assistant Secretary

EXHIBIT 1**Patent Schedule**

Country	Title	Application Number	Application Date	Grant Number	Grant Date
US	MOBILE RECEPTION OF DIGITAL VIDEO BROADCASTING- TERRESTRIAL SERVICES	12/714,268	02/26/2010	9,281,847	03/08/2016
US	MOBILE RECEPTION OF DVB-T SERVICES	61/156,431	02/27/2009		
US	MOBILE RECEPTION OF DVB-T SERVICES	61/156,828	03/02/2009		
WO	APPLICATION LAYER FORWARD ERROR CORRECTION FOR DVB-T TERMINALS	PCT/US2010/025699	02/27/2010		
CN	APPLICATION LAYER FORWARD ERROR CORRECTION FOR DVB-T TERMINALS	201080009907.4	02/27/2010		
EP	APPLICATION LAYER FORWARD ERROR CORRECTION FOR DVB-T TERMINALS	10707171.4	02/27/2010		
IN	APPLICATION LAYER FORWARD ERROR CORRECTION FOR DVB-T TERMINALS	5939/CHENP/2011	02/27/2010		
JP	APPLICATION LAYER FORWARD ERROR CORRECTION FOR DVB-T TERMINALS	2011-552212	02/27/2010	5502908	03/20/2014
KR	APPLICATION LAYER FORWARD ERROR CORRECTION FOR DVB-T TERMINALS	10-2011-7022546	02/27/2010	10-1277591	06/17/2013
TW	MOBILE RECEPTION OF DIGITAL VIDEO BROADCASTING – TERRESTRIAL SERVICES	099105858	03/01/2010		

END OF EXHIBIT 1