

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3185992

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MARK T. CORL	04/17/2001
RECEIVING PARTY DATA		
Name:	LG ELECTRONICS INC.	
Street Address:	128, YEOUNI-DAERO, YEONGDEUNGPO-GU	
City:	SEOUL	
State/Country:	KOREA, REPUBLIC OF	
Postal Code:	150-721	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14598441
CORRESPONDENCE DATA		
Fax Number:	(202)496-7756	
<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:	2024967500	
Email:	mlaip@mckennalong.com	
Correspondent Name:	MCKENNA LONG & ALDRIDGE LLP	
Address Line 1:	1900 K STREET, NW	
Address Line 4:	WASHINGTON, D.C. 20006	
ATTORNEY DOCKET NUMBER:	8736.00138.US2AG	
NAME OF SUBMITTER:	YONG S. CHOI	
SIGNATURE:	/Yong S. Choi/	
DATE SIGNED:	01/16/2015	
Total Attachments: 6 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif		

BIRCH, STEWART, KOLASCH & BIRCH, LLP

UNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ASSIGNMENT

Application No. NewFiled April 17, 2001Insert Name(s)
of Inventor(s)WHEREAS, Mark T. CORLInsert Title
of InventionINFORMATION DESCRIPTOR AND EXTENDED INFORMATION DESCRIPTOR DATA STRUCTURES
FOR DIGITAL TELEVISION SIGNALS

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application).

Insert Date
of Signing of
Applicationon April 17, 2001; andInsert Name
of AssigneeWHEREAS, TRIVENI DIGITAL INC.Insert Address
of Assigneeof 40 Washington Road, Princeton Junction, NJ 08550

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE☐ in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 4/17/2001

Name of Inventor Mark T. Corl
(signature) Mark T. CORL

Date _____

Name of Inventor _____
(signature)

Date _____

Name of Inventor _____
(signature)

Date _____

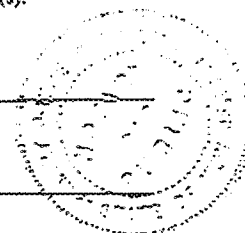
Name of Inventor _____
(signature)

Date _____

Name of Inventor _____
(signature)

Date _____

Name of Inventor _____
(signature)



Sworn to and subscribed before me this

17 day of Apr. 2001

Mary Joyce Patrick

ASSIGNMENT

WHEREAS, Triveni Digital, Inc., a corporation organized and existing under and by virtue of the laws of New Jersey, having an office at 40 Washington Road, Princeton, New Jersey 08550, is the owner by previous assignment, dated April 17, 2001, of the entire undivided right, title and interest of Mark T. CORL, in and to an invention for new and useful improvements in or relating to EXTENDED INFORMATION DESCRIPTOR for which an application for Letters Patent in the United States was executed on April 17, 2001 and assigned Application Number 09/835,559, and is the owner of an undivided right, title and interest in and to said application by said previous assignment;

WHEREAS, LG ELECTRONICS, INC., a corporation organized and existing under and by virtue of the laws of Korea, having an office at 20, Yoido-dong, Youngdungpo-qu, Seoul, Korea, is desirous of acquiring the entire right, title and interest in and to the said application and the invention therein described and claimed and any Letters Patent that may be issued upon said application or for the improvements therein contained;

NOW THEREFORE, for and in consideration of the sum of Ten Dollars (\$10.00) lawful money of the United States and other valuable considerations, including assumption of any expenses incurred by Triveni Digital, Inc. in application of said invention, to me in hand paid, the receipt of and sufficiency whereof are hereby acknowledged, the said Triveni Digital, Inc.,

has sold, assigned and transferred and does hereby sell, assign and transfer unto the said LG ELECTRONICS, INC., its successors and assigns, its entire undivided right, title and interest in and to the said application and the invention therein contained, including all rights of action and damages for past infringement, and including the right to apply for any Letters Patent in the United States of America and in all foreign countries on said invention and including the right to claim the priority of the date of filing in the United States and any Letters Patent that may issue thereon, or therefor, in the United States and foreign countries and all reissues, extensions, renewals, divisions and continuations thereof, to the full end of the term or terms for which said Letters Patent may be issued, to be held and enjoyed by the said LG ELECTRONICS, INC., its successors and assigns the same as it would have been held and enjoyed by Triveni Digital, Inc., if this assignment and sale had not been made.

AND, Triveni Digital, Inc., hereby authorizes and requests the Commissioner of Patents and Trademarks to issue all such Letters Patents to the said LG ELECTRONICS, INC., in accordance with this instrument of assignment.

Triveni Digital, Inc., hereby represents and warrants that there are no rights or interests outstanding inconsistent with the rights and interests granted herein and that Triveni Digital, Inc., will not execute any instrument or grant or transfer any rights or interests inconsistent therewith, and Triveni Digital, Inc., binds itself and its heirs, executors, administrators,

employees and legal representatives, as the case may be, to execute and deliver to the said LG ELECTRONICS, INC., its successors and assigns, any further documents or instruments and do any and all further acts that may be deemed necessary by the said LG ELECTRONICS, INC., its successors and assigns to file applications for the said improvements and invention in any country where it may elect to file such applications, and that may be necessary to vest in the said LG ELECTRONICS, INC., its successors and assigns, the title herein conveyed, or intended so to be, and to enable such title to be recorded in the United States and foreign countries where such application or applications may be filed.

AND, Triveni Digital, Inc., further covenants and agrees, in consideration of the premises, that it, its executors and administrators will, at any time upon request, communicate to the said LG ELECTRONICS, INC., its successors and assigns, any facts relating to the said invention and improvements and the history thereof, known to it or its successors and assigns, and that it will testify as to the same in any interference or other proceeding when requested to do so by the said LG ELECTRONICS, INC., its successors and assigns.

The undersigned hereby grants the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Attorney Docket No.: 0563-0253P

IN TESTIMONY WHEREOF, Triveni Digital, Inc., have hereunto
set my hands and seal this 29th day of July, 2003.

Triveni Digital, Inc.,

By: Mark Fongia

Title: President & CEO

Page 4 of 4