

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3183171

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MARK T. CORL	04/09/2001
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	LG ELECTRONICS INC.
<b>Street Address:</b>	128, YEOUI-DAERO
<b>Internal Address:</b>	YEONGDEUNGPO-GU
<b>City:</b>	SEOUL
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	150-721
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14597009
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	2024967106
<b>Email:</b>	mlaip@mckennalong.com
<b>Correspondent Name:</b>	MCKENNA LONG & ALDRIDGE LLP
<b>Address Line 1:</b>	1900 K STREET NW
<b>Address Line 2:</b>	ATTORNEY DOCKET NO. 8736.00134.US2AX
<b>Address Line 4:</b>	WASHINGTON, D.C. 20006
<b>ATTORNEY DOCKET NUMBER:</b>	8736.00134.US2AX
<b>NAME OF SUBMITTER:</b>	YONG S. CHOI
<b>SIGNATURE:</b>	/Yong S. Choi #43324/
<b>DATE SIGNED:</b>	01/14/2015
<b>Total Attachments: 6</b>	
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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 Junction, New Jersey 08550, is the owner by previous assignment, dated April 10, 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 DIFFERENTIATED PSIP TABLE UPDATE INTERVAL TECHNOLOGY for which an application for Letters Patent in the United States was executed on April 9, 2001 and assigned Application Number 09/828,865, and are the owners 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 Republic of Korea, having an office at 20, Yoido-dong, Youngdungpo-gu, 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, 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 that 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.

U.S. Applr. No. 09/823,355  
Attorney Docket No.: 2916-0126P

IN TESTIMONY WHEREOF, TRIVENI DIGITAL, INC., has hereunto  
set its seal this 28 day of January, 2005.

TRIVENI DIGITAL, INC.,

By: Mark Singer

Title: President & CEO

BIRCH, STEWART, KOLASCH & BIRCH, LLP

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

ASSIGNMENT

April 10, 2001

Application No. \_\_\_\_\_

Filed \_\_\_\_\_

Insert Name(s)  
of Inventor(s)

WHEREAS, Mark T. CORL

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in

Insert Title  
of Invention

DIFFERENTIATED PSIP TABLE UPDATE INTERVAL TECHNOLOGY

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  
Application

on 04/09/01; and

Insert Name  
of Assignee

WHEREAS, TRIVENI DIGITAL INC.

Insert Address  
of Assignee

of 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 April 9, 2000

Name of Inventor Mark T. Corl

(signature) Mark T. CORL  
MARY JOYCE PATRICK  
NOTARY PUBLIC OF NEW JERSEY  
Commission Expires 10/2000



Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature)

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature)

Sworn to and subscribed before me this  
9<sup>th</sup> day of Apr., 2000  
Mary Joyce Patrick

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature)

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature)

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

(signature)