PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
JOHN I. OKIMOTO	05/20/2014
ALEXANDER MEDVINSKY	05/23/2014
LAWRENCE D. VINCE	05/22/2014

RECEIVING PARTY DATA

Name:	General Instrument Corporation
Street Address:	101 Tournament Drive
Internal Address:	
City:	Horsham
State/Country:	PENNSYLVANIA
Postal Code:	19044

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14210351

CORRESPONDENCE DATA

Fax Number: (678)473-8095

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.

Phone: (678)473-8697

Email: arrisdocketing@arrisi.com
Correspondent Name: ARRIS GROUP, INC,
Address Line 1: 3871 LAKEFIELD DRIVE
Address Line 4: SUWANEE, GEORGIA 30024

ATTORNEY DOCKET NUMBER:	CS41512
NAME OF SUBMITTER:	THOMAS A. WARD
SIGNATURE:	/Thomas A. Ward/
DATE SIGNED:	06/09/2014

Total Attachments: 4

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ASSIGNMENT

WHEREAS we, John I. Okimoto, Alexander Medvinsky, Lawrence D. Vince, (hereinafter collectively referred to as ASSIGNOR), have invented certain inventions and improvements entitled "PROTECTION OF CONTROL WORDS EMPLOYED BY CONDITIONAL ACCESS SYSTEMS" disclosed in Patent Application Number 14/210351 filed in the United States Patent and Trademark Office on March 13, 2014; and Provisional Patent Application Number 61/802090 filed in the United States Patent and Trademark Office on March 15, 2013; and,

WHEREAS, General Instrument Corporation, a corporation formed under the laws of Delaware, having a principal place of business at 101 Tournament Drive, Horsham, Pennsylvania 19004 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to, and under said invention and the United States Letters Patent to be obtained therefore:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNORS hereby sell, assign, and transfer to ASSIGNEE the full and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefore on said patent application, design patent application, or any continuation, continuation-in-part, divisional, reexamination, renewal, substitute, or reissue thereof and in and to all Letters Patent and all Convention and Treaty rights of all kinds, in all countries throughout the world for said invention for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNOR will promptly provide ASSIGNEE, upon its request, with all pertinent facts and documents relating to said application, said invention, and said Letters Patent as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal

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Docket CS41512

representative any and all papers, instruments, or affidavits required to apply for, obtain, maintain, and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

State of California

County of Kin Ken

, before me, <u>Janden</u> Name of N

SANDRA JENKINS Commission # 1973776 Notary Public - California San Diego County My Comm. Expires Apr 27, 2016

SANDRA JENKINS Commission # 1973776 Notary Public - California San Diego County My Comm. Expires Apr 27, 2016

Place Notary Seal Above

Who proved to me on the basis of satisfactory evidence to be the person(s) who 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 Signature of Notary Public

Alexander Medvinsky

State of California County of Jan Deago

May 23 2014, before me, Landra Ja Date Name of Notary Public ally appeared Alexander Medica

personally appeared

Who proved to me on the basis of satisfactory

evidence to be the person(s) who 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.

SANDRA JENKINS Commission # 1973776 Notary Public - California San Diego County My Comm. Expires Apr 27, 2016

Place Notary Seal Above

<u>5-22-14</u> Date	Lawrence D. Vince
United States of America)
Commonwealth of Pennsylvania) SS
County of Montgomery)

The undersigned Notary Public in and for the County and State aforesaid, do hereby certify that Lawrence D. Vince, whose name is subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed, sealed and delivered the instrument as their free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and notarial seal this 22 day of May, 2014.

My commission expires: 11/15/16

Notary Public Signature

Gwen L. Bredow Printed Name of Notary Public

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal Gwen L. Bredow, Notary Public Horsham Twp., Montgomery County My Commission Expires Nov. 15, 2016

MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

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RECORDED: 06/09/2014