

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT		
EFFECTIVE DATE:	06/01/2006		
SEQUENCE:	1		
CONVEYING PARTY DATA			
Name		Execution Date	
MICHAEL L. CRANER		03/25/2010	
RECEIVING PARTY DATA			
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State/Country:	CALIFORNIA		
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PROPERTY NUMBERS Total: 1			
Property Type	Number		
Application Number:	14148283		
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SIGNATURE:	/Lorraine Quiles/		
DATE SIGNED:	10/28/2014		
Total Attachments: 2			
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A S S I G N M E N T

Whereas I, Michael L. Craner, residing at 115 Rising Hill Lane, Chester Springs, Pennsylvania 19425 have made an invention in:

SYSTEMS AND METHODS FOR ALLOCATING BANDWIDTH IN SWITCHED
DIGITAL VIDEO SYSTEMS BASED ON INTEREST

and have made application for United States Letters Patent therefor, the same having been filed in the United States Patent and Trademark Office on July 20, 2007 as United States Patent Application No. 11/880,448; and

WHEREAS, GUIDEWORKS, LLC, a corporation organized and existing under the laws of the State of Delaware and having an office and place of business at 150 Radnor Chester Road, Suite 300C, Radnor, Pennsylvania 19087, is desirous of confirming its prior acquisition of the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

WHEREAS, I and GUIDEWORKS, LLC are parties to a certain Assignment Agreement, dated June 1, 2006 (the "ASSIGNMENT AGREEMENT"), in which I assigned my entire right, title, and interest to all Company Inventions and Proprietary Rights thereto, as defined therein, including said invention and all rights therein, including all rights to said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to me paid, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and in accordance with the ASSIGNMENT AGREEMENT, I hereby confirm my prior assignment of and, *nunc pro tunc*, as of June 1, 2006, hereby sell, assign and transfer unto the said

GUIDEWORKS, LLC, its successors, assigns and legal representatives, all right, title and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said United States patent application, including any continuations and divisions thereof, and any substitute applications therefor, and any patents which may issue thereon, and any reissues of the same, and including the right to claim priority under the International Convention based on said patent application; and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country, including renewals, revivals, continuations and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same; and I hereby authorize and request competent authorities to grant and issue any and all patents on said invention to the said GUIDEWORKS, LLC as the assignee of the entire interest therein; and I further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and to otherwise give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, I have hereunto signed my name on the date indicated hereinafter.

3/25/10
Date

Michael L. Craner
Michael L. Craner