

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Karl Townsend	07/14/2008
<b>RECEIVING PARTY DATA</b>	
Name:	Digital Networks North America, Inc.
Street Address:	20400 Stevens Creek Boulevard
City:	Cupertino
State/Country:	CALIFORNIA
Postal Code:	95014
<b>PROPERTY NUMBERS Total: 2</b>	
Property Type	Number
Application Number:	12827753
Application Number:	12827739
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(312)913-0002
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Correspondent Name:	McDonnell Boehnen Hulbert & Berghoff LLP
Address Line 1:	300 South Wacker Drive
Address Line 4:	Chicago, ILLINOIS 60606
ATTORNEY DOCKET NUMBER:	03-360-A-CON
NAME OF SUBMITTER:	Michael S. Borella
Total Attachments: 5 source=Townsend Assignment#page1.tif source=Townsend Assignment#page2.tif source=Townsend Assignment#page3.tif	

CH \$80.00 12827753

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**PATENT  
 REEL: 024861 FRAME: 0761**

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**ASSIGNMENT**

Case No.: 03-360-A  
Inventors: Douglas Shannon, Spencer Shanson, Karl Townsend  
Date of Execution  
of Application: May 1, 2002, May, 13, 2002, September 6, 2002,  
September 15, 2002, June 19, 2002, September 9, 2002

Serial No.: 10/386,585  
Filing Date: March 11, 2003

In consideration of One Dollar (\$1.00) and other good and valuable considerations in hand paid, the receipt and sufficiency whereof are hereby acknowledged, the undersigned hereby assign to:

**Digital Networks North America, Inc., a corporation of the State of Delaware**

its successors and assigns, the entire right, title and interest in the invention or improvements of the undersigned disclosed in an application for Letters Patent of the United States, entitled:

**Video Data Recorder with Personal Channels**

and identified as:

**Case No. 03-360-A**

in the offices of MCDONNELL BOEHNEN HULBERT & BERGHOFF and in said application and any and all other applications, both United States and foreign, which the undersigned may file, either solely or jointly with others, on said invention or improvements, and in any and all Letters Patent of the United States and foreign countries, which may be obtained on any of said applications, and in any reissue or extension of such patents, and further assigns to said assignee the priority right provided by the International Convention.

The undersigned hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said assignee.

The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

The undersigned warrant themselves to be the owners of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrant that there are no outstanding prior assignments, licenses, or other encumbrances on the interest herein assigned.

For said considerations the undersigned hereby agree, upon the request and at the expense of said assignee, its successors and assigns, to execute any and all divisional, continuation and substitute applications for said invention or improvements, and any necessary oath, affidavit or declaration relating thereto, and any application for the reissue or extension of any Letters Patent that may be granted upon said application and any and all applications and other documents for Letters Patent in foreign countries on said invention or improvements, that said assignee, its successors or assigns may deem necessary or expedient, and for the said considerations the undersigned authorize said assignee to apply for patents for said invention or improvements in its own name in such countries where such procedure is proper and further agree, upon the request of said assignee, its successors and assigns, to cooperate to the best of the ability of the undersigned with said assignee, its successors and assigns, in any proceedings or transactions involving such applications or patents, including the preparation and execution of preliminary statements, giving and producing evidence, and performing any and all other acts necessary to obtain, maintain and enforce said Letters Patent, both United States and foreign, and vest all rights therein hereby conveyed in the assignee, its successors and assigns, whereby said Letters Patent will be held and enjoyed by the said assignee, its successors and assigns, to the full end of the term for which said Letters Patent will be granted, as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment had not been made.

WITNESS my hand and seal this \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Douglas Shannon

State of

County of

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of

\_\_\_\_\_, \_\_\_\_\_ by \_\_\_\_\_.

\_\_\_\_\_  
NOTARY PUBLIC

WITNESS my hand and seal this \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Spencer Shanson

State of

County of

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of

\_\_\_\_\_, \_\_\_\_\_ by \_\_\_\_\_.

\_\_\_\_\_  
NOTARY PUBLIC

WITNESS my hand and seal this 14<sup>th</sup> day of July, 2008

Karl Townsend  
Karl Townsend

State of

County of

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ by \_\_\_\_\_.

\_\_\_\_\_  
NOTARY PUBLIC

**ACKNOWLEDGMENT**

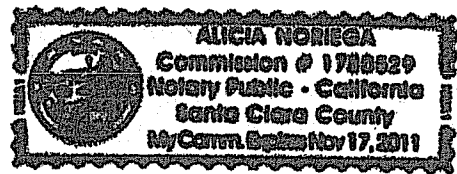
State of California  
County of Santa Clara

On July 14, 2008 before me, Alicia Noriega, Notary Public  
(insert name and title of the officer)

personally appeared Karl Townsend  
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 Alicia Noriega (Seal)