

PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Douglas Shannon	12/11/2008
RECEIVING PARTY DATA	
Name:	Digital Networks North America, Inc.
Street Address:	20400 Stevens Creek Boulevard
City:	Cupertino
State/Country:	CALIFORNIA
Postal Code:	95014
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	12827753
Application Number:	12827739
CORRESPONDENCE DATA	
Fax Number:	(312)913-0002
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	312-913-0001
Email:	mueller@mbhb.com
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: 4 source=Shannon to DNNA#page1.tif source=Shannon to DNNA#page2.tif source=Shannon to DNNA#page3.tif	

CH \$80.00 12827753

501267192

PATENT
REEL: 024861 FRAME: 0779

ASSIGNMENT

Case No.: 03-360-A

Serial No.: 10/386,585

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

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 BOEHNNEN HULBERT & BERGHOF 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.

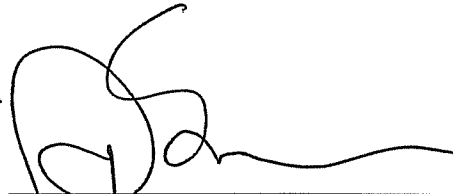
The undersigned hereby authorize and request the attorneys of record in said application to insert in this assignment the filing date and serial number of said application when officially known, and the date of execution of the application.

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 11 day of December, 2008



Douglas Shannon

State of California
County of Santa Clara

The foregoing instrument was acknowledged before me this 11 day of
December 2008 by Krista Cantu.

Krista Cantu

NOTARY PUBLIC Krista Cantu



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

- 3 -

WITNESS my hand and seal this ____ day of _____, _____.

Karl Townsend

State of

County of

The foregoing instrument was acknowledged before me this ____ day of
_____, _____ by _____.

NOTARY PUBLIC

- 4 -

McDONNELL BOEHNEN
HULBERT & BERGHOFF
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

1484996.1

RECORDED: 08/19/2010

PATENT
REEL: 024861 FRAME: 0784