507595979 11/14/2022 PATENT ASSIGNMENT COVER SHEET

in Maurice and d

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT7642869

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT			
CONVEYING PARTY	DATA					
		Name		Execution Date		
ANDREW C. GRAY				12/13/2021		
KEVIN D. CLAYCOME	}			12/22/2021		
JAMES R. WINDGASS	SEN			12/13/2021		
KEVIN GALLAGHER				12/13/2021		
RECEIVING PARTY D	ΑΤΑ					
Name:	NORTH	IROP GRUMMAN SYSTEMS CO	DRPOR	ATION		
Street Address:	2980 F	AIRVIEW PARK DRIVE				
City:	FALLS	CHURCH				
State/Country:	VIRGIN	IIA				
Postal Code:	22042-					
Property Type	e	Number				
Application Number:		17576127				
CORRESPONDENCE	ΠΑΤΑ					
Fax Number:		(301)762-4056				
Correspondence will	be sent to	the e-mail address first; if that				
	f provided	l; if that is unsuccessful, it will	be sent	t via US Mail.		
Phone:		301-424-3640				
Email:epatent@usiplaw.comCorrespondent Name:EDELL, SHAPIRO & FINNAN, LLC						
Address Line 1:						
Address Line 2:		SUITE 750				
Address Line 4:		GAITHERSBURG, MARYLAND 20878				
ATTORNEY DOCKET NUMBER:		0880.0034C	0880.0034C			
NAME OF SUBMITTER:		GEOFF D. TROTTER				
SIGNATURE:		/Geoff D. Trotter/	/Geoff D. Trotter/			
DATE SIGNED:		11/14/2022	11/14/2022			
Fotal Attachments: 4						
source=ExecutedAssigr						
ource=ExecutedAssign	iment#pag	e2.tif				

source=ExecutedAssignment#page3.tif source=ExecutedAssignment#page4.tif

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter individually and collectively referred to as "Assignor") hereby:

Sells, assigns and transfers to Northrop Grumman Systems Corp., a US corporation, having a place of business at 2980 Fairview Park Drive, Falls Church, VA 22042 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the United States, its territories and possessions, and all foreign countries, in and to the invention relating to SELF-INSULATING HIGH BANDWIDTH EXTERNAL MEDIA STORAGE which is disclosed in an application for United States Letters Patent

check one [X] executed concurrently herewith, [] filed on , and assigned Serial No.

as well as in and to (a) said application and all other applications for Letters Patent pertaining to said invention which have been or shall be filed in the United States and all foreign countries, (b) all divisionals, continuations, substitutes, and extensions of said applications, (c) all Letters Patent which issue from said applications in the United States and all foreign countries, (d) all reissues, reexaminations, and amendments of said Letters Patent, and (e) the right to claim priority based on any earlier foreign applications for said invention;

Agrees (a) that said Assignee may apply for and receive Letters Patent for said invention in its own name; (b) when requested, Assignor will execute and deliver all original, divisional, continuation, substitute, reissue and other applications pertaining to said invention, as well as all rightful oaths, declarations, assignments, powers of attorney, affidavits, and other papers pertaining to said applications; (c) to communicate to said Assignee, its successors and assigns, all facts known to Assignor relating to said invention and the history thereof; and (d) generally do everything possible which said Assignee, its successors and assigns, shall consider desirable to obtain and enforce proper protection for said invention in the United States and in all foreign countries and to vest title to said invention, all applications for patent on said invention, and all patents on said invention, in said Assignee, its successors and assigns;

Covenants with said Assignee, it successors and assigns, that Assignor has the full and unencumbered right to assign and transfer the interests conveyed herein, and that Assignor has not executed and will not enter into any agreement or execute any instrument in conflict herewith; and

Authorizes the law firm of Edell, Shapiro & Finnan, LLC, to insert in the spaces provided above the filing date and application number of said application when known.

SIGNATURE:	Andrew CJORAY	DATE:	13 DEC 2001
SIGNATURE:	Kevin D. CLAYCOMB	DATE:	
SIGNATURE:	James R. WINDGASSEN	DATE:	
SIGNATURE:	Kevin GALLAGHER	DATE:	

PATENT REEL: 061755 FRAME: 0929

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter individually and collectively referred to as "Assignor") hereby:

Sells, assigns and transfers to Northrop Grumman Systems Corp., a US corporation, having a place of business at 2980 Fairview Park Drive, Falls Church, VA 22042 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the United States, its territories and possessions, and all foreign countries, in and to the invention relating to SELF-INSULATING HIGH BANDWIDTH EXTERNAL MEDIA STORAGE which is disclosed in an application for United States Letters Patent

check one [X] executed concurrently herewith,
[] filed on , and assigned Serial No.

as well as in and to (a) said application and all other applications for Letters Patent pertaining to said invention which have been or shall be filed in the United States and all foreign countries, (b) all divisionals, continuations, substitutes, and extensions of said applications, (c) all Letters Patent which issue from said applications in the United States and all foreign countries, (d) all reissues, reexaminations, and amendments of said Letters Patent, and (e) the right to claim priority based on any earlier foreign applications for said invention;

Agrees (a) that said Assignee may apply for and receive Letters Patent for said invention in its own name; (b) when requested, Assignor will execute and deliver all original, divisional, continuation, substitute, reissue and other applications pertaining to said invention, as well as all rightful oaths, declarations, assignments, powers of attorney, affidavits, and other papers pertaining to said applications; (c) to communicate to said Assignee, its successors and assigns, all facts known to Assignor relating to said invention and the history thereof; and (d) generally do everything possible which said Assignee, its successors and assigns, shall consider desirable to obtain and enforce proper protection for said invention in the United States and in all foreign countries and to vest title to said invention, all applications for patent on said invention, and all patents on said invention, in said Assignee, its successors and assigns;

Covenants with said Assignee, it successors and assigns, that Assignor has the full and unencumbered right to assign and transfer the interests conveyed herein, and that Assignor has not executed and will not enter into any agreement or execute any instrument in conflict herewith; and

Authorizes the law firm of Edell, Shapiro & Finnan, LLC, to insert in the spaces provided above the filing date and application number of said application when known.

SIGNATURE:		DATE:	
SIGNATURE:	Andrew C. GRAY	DATE:	12/22/21
SIGNATURE:	James R. WINDGASSEN	DATE:	
SIGNATURE:	Kevin GALLAGHER	DATE:	

PATENT REEL: 061755 FRAME: 0930

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter individually and collectively referred to as "Assignor") hereby:

Sells, assigns and transfers to Northrop Grumman Systems Corp., a US corporation, having a place of business at 2980 Fairview Park Drive, Falls Church, VA 22042 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the United States, its territories and possessions, and all foreign countries, in and to the invention relating to SELF-INSULATING HIGH BANDWIDTH EXTERNAL MEDIA STORAGE which is disclosed in an application for United States Letters Patent

check one [X] executed concurrently herewith, [] filed on , and assigned Serial No.

as well as in and to (a) said application and all other applications for Letters Patent pertaining to said invention which have been or shall be filed in the United States and all foreign countries, (b) all divisionals, continuations, substitutes, and extensions of said applications, (c) all Letters Patent which issue from said applications in the United States and all foreign countries, (d) all reissues, reexaminations, and amendments of said Letters Patent, and (e) the right to claim priority based on any earlier foreign applications for said invention;

Agrees (a) that said Assignee may apply for and receive Letters Patent for said invention in its own name; (b) when requested, Assignor will execute and deliver all original, divisional, continuation, substitute, reissue and other applications pertaining to said invention, as well as all rightful oaths, declarations, assignments, powers of attorney, affidavits, and other papers pertaining to said applications; (c) to communicate to said Assignee, its successors and assigns, all facts known to Assignor relating to said invention and the history thereof; and (d) generally do everything possible which said Assignee, its successors and assigns, shall consider desirable to obtain and enforce proper protection for said invention in the United States and in all foreign countries and to vest title to said invention, all applications for patent on said invention, and all patents on said invention, in said Assignee, its successors and assigns;

Covenants with said Assignee, it successors and assigns, that Assignor has the full and unencumbered right to assign and transfer the interests conveyed herein, and that Assignor has not executed and will not enter into any agreement or execute any instrument in conflict herewith; and

Authorizes the law firm of Edell, Shapiro & Finnan, LLC, to insert in the spaces provided above the filing date and application number of said application when known.

SIGNATURE:		DATE:	
	Andrew C. GRAY		
SIGNATURE:		DATE:	
	Kevin D. CLAYCOMB		***************************************
SIGNATURE:	hom 1. Mangene	DATE:	13-Dec-2021
Superverse	James R. WINDGASSEN		***************************************
SIGNATURE:		DATE:	
	Kevin GALLAGHER		

PATENT REEL: 061755 FRAME: 0931

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter individually and collectively referred to as "Assignor") hereby:

Sells, assigns and transfers to Northrop Grumman Systems Corp., a US corporation, having a place of business at 2980 Fairview Park Drive, Falls Church, VA 22042 (hereinafter "Assignee"), its successors and assigns, the entire right, title and interest in the United States, its territories and possessions, and all foreign countries, in and to the invention relating to SELF-INSULATING HIGH BANDWIDTH EXTERNAL MEDIA STORAGE which is disclosed in an application for United States Letters Patent

check one [X] executed concurrently herewith, [] filed on , and assigned Serial No.

as well as in and to (a) said application and all other applications for Letters Patent pertaining to said invention which have been or shall be filed in the United States and all foreign countries, (b) all divisionals, continuations, substitutes, and extensions of said applications, (c) all Letters Patent which issue from said applications in the United States and all foreign countries, (d) all reissues, reexaminations, and amendments of said Letters Patent, and (e) the right to claim priority based on any earlier foreign applications for said invention;

Agrees (a) that said Assignee may apply for and receive Letters Patent for said invention in its own name; (b) when requested, Assignor will execute and deliver all original, divisional, continuation, substitute, reissue and other applications pertaining to said invention, as well as all rightful oaths, declarations, assignments, powers of attorney, affidavits, and other papers pertaining to said applications; (c) to communicate to said Assignee, its successors and assigns, all facts known to Assignor relating to said invention and the history thereof; and (d) generally do everything possible which said Assignee, its successors and assigns, shall consider desirable to obtain and enforce proper protection for said invention in the United States and in all foreign countries and to vest title to said invention, all applications for patent on said invention, and all patents on said invention, in said Assignee, its successors and assigns;

Covenants with said Assignee, it successors and assigns, that Assignor has the full and unencumbered right to assign and transfer the interests conveyed herein, and that Assignor has not executed and will not enter into any agreement or execute any instrument in conflict herewith; and

Authorizes the law firm of Edell, Shapiro & Finnan, LLC, to insert in the spaces provided above the filing date and application number of said application when known.

SIGNATURE:		DATE:	
	Andrew C. GRAY		
SIGNATURE:		DATE:	
	Kevin D. CLAYCOMB		
SIGNATURE:		DATE:	
	James R. WINDGASSEN		
SIGNATURE:	Ky Jellen	DATE:	12-13-21
	Kevin GALLÁGHER		

PATENT REEL: 061755 FRAME: 0932

RECORDED: 11/14/2022