504827927 03/20/2018

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4874663

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT		
CONVEYING PARTY DA	АТА			
		Name	Execution Date	
ALEXANDER CHERLIN			03/16/2018	
IAN RADLEY			03/20/2018	
JAMES WILLIAM HUGG			03/20/2018	
RECEIVING PARTY DA	ТА			
Name: KROMEK GROUP, PLC				
Street Address:	NETPAF	NETPARK, THOMAS WRIGHT WAY		
City:	SEDGE	SEDGEFIELD, COUNTY DURHAM		
State/Country:	UNITED	UNITED KINGDOM		
Postal Code:	TS21 3F	Ð		
PROPERTY NUMBERS	Total: 1			
Property Type		Number		
Property Type		Number 5922598		
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Property Type Application Number: CORRESPONDENCE D	1 ATA			
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Property Type Application Number: CORRESPONDENCE D Fax Number: <i>Correspondence will be</i>	ATA (e sent to provided;	412)741-9292 <i>the e-mail address first; if that is unsuc</i>		
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PATENT REEL: 045288 FRAME: 0512

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

Title of Invention: INTERACTION CHARACTERISTICS FROM A PLURALITY OF PIXELS

As a below named inventor, I hereby declare that:

This declaration is directed to the attached application, or (if following box is checked):

[X] United States application or PCT international application number <u>15/922,598</u> filed on <u>March 15</u>, <u>2018</u>.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR Section 1.56.

Whereas, the undersigned inventor(s) has/have made certain inventions, improvements, and discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application;

Whereas, Kromek Group plc, a corporation of England, having a place of business at NetPark, Thomas Wright Way, Sedgefield, Co Durham, TS21 3FD, UK (herein referred to as "Kromek"), desires to acquire, and each undersigned inventor desires to grant to Kromek, the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents directed thereto;

Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to Kromek (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to Kromek, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by Kromek, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Kromek, its successors, legal representatives, and assigns, whenever requested by Kromek, its successors, legal representatives, or assigns.

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PATENT REEL: 045288 FRAME: 0513

DOCKET NUMBER: 962.004

Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to Kromek and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants Kromek, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of Delaware, and any disputes will be resolved in a Delaware state court or federal court sited in Delaware.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: Alexander Cherlin

Date: 3/16/18 Signature:

(2) Legal Name of Inventor: Ian Radley

Signature:	Date:	****
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(3) Legal Name of Inventor: James William Hugg

Date: 3/20/18 Signature:____

DECLARATION (37 C.F.R. 1.63) FOR UTILITY PATENT APPLICATION USING AN APPLICATION DATA SHEET (37 C.F.R. 1.76) AND ASSIGNMENT

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[X] United States application or PCT international application number 15/922.598 filed on March 15, 2018.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the application, including the claims.

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Now, therefore, for good and valuable consideration, the receipt and sufficiency thereof being hereby acknowledged, each undersigned inventor ("ASSIGNOR") hereby sells or has sold, assigns or has assigned, and otherwise transfers or has transferred to Kromek (the "ASSIGNEE"), its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefor in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, each undersigned inventor hereby authorizes and requests the Director of the United States Patent and Trademark Office to issue any United States Patent, and foreign patent authorities to issue any foreign patent, granted for the Invention, to Kromek, its successors, legal representatives, and assigns, the entire worldwide right, title, and interest in and to the same to be held and enjoyed by Kromek, its successors, legal representatives, and assigns to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made; and each undersigned inventor agrees to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, in Kromek, its successors, legal representatives, and assigns, whenever requested by Kromek, its successors, legal representatives, or assigns.

Page 1 of 2

PATENT REEL: 045288 FRAME: 0515 Each undersigned inventor acknowledges their prior and ongoing obligations to sell, assign, and transfer the rights under this Assignment to Kromek and is unaware of any reason why they may not have the full and unencumbered right to sell, assign, and transfer the rights hereby sold, assigned, and transferred, and has not executed, and will not execute, any document or instrument in conflict herewith. Each undersigned inventor also hereby grants Kromek, its successors, legal representatives, and assigns, the right to insert in this Assignment any further identification (including, but not limited to, patent Application Number) which may be necessary or desirable for recordation of this Assignment. This Assignment is governed by the substantive laws of the State of Delaware, and any disputes will be resolved in a Delaware state court or federal court sited in Delaware.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

(1) Legal Name of Inventor: Alexander Cherlin

Signature:_____ Date: (2) Legal Name of Inventor: Ian Radley Date: 3/20/18, Signature: (3) Legal Name of Inventor: James William Hugg Signature:____ Date:

Page 2 of 2