505764468 11/08/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5811284

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VIKTOR EDPALM	09/26/2019
MAYA SHAH	09/25/2019

RECEIVING PARTY DATA

Name:	AXIS AB
Street Address:	EMDALAVAGEN 14
City:	LUND
State/Country:	SWEDEN
Postal Code:	SE-223 69

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16678131

CORRESPONDENCE DATA

Fax Number: (215)568-6499

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 215-568-6400

Email:kodonnell@vklaw.comCorrespondent Name:GERALD B. HALTAddress Line 1:30 S. 17TH STREET

Address Line 4: PHILADELPHIA, PENNSYLVANIA 19103

ATTORNEY DOCKET NUMBER:	AXIS-PT311
NAME OF SUBMITTER:	GERALD B. HALT, JR.
SIGNATURE:	/Gerald B. Halt, Jr./
DATE SIGNED:	11/08/2019
	This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 4

source=AXIS_PT311_Declaration_Assignment_Shah_EFS#page1.tif source=AXIS_PT311_Declaration_Assignment_Shah_EFS#page2.tif source=AXIS_PT311_Declaration_Assignment_Edpalm_EFS#page1.tif source=AXIS_PT311_Declaration_Assignment_Edpalm_EFS#page2.tif

PATENT 505764468 REEL: 050958 FRAME: 0172

Axis Ref. Number: P170299US01

DECLARATION AND ASSIGNMENT FOR APPLICATION

Patent Application Title: METHOD FOR INTRA REFRESH ENCODING OF A PLURALITY OF IMAGE FRAMES

is bein	ent application for which: ag filed concurrently herewith, Application Number to be assigned led on as United States Application Number	
Numbe		
Declara	ation of Inventor	
As a be	slow named inventor, I hereby declare that:	
A.	I believe I am the original inventor or an original joint inventor of for which a patent is sought by the above-identified patent applic	
В.	The above-identified application was made or authorized to be m	ade by me; and

C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement, I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

PATENT REEL: 050958 FRAME: 0173 C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

Date: 25/SQFember 2019

ASSIGNEE: Axis AB, having an address of Emdalavägen 14, SE-223 69 Lund, Sweden

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Name of Inventor: Maya Shah

Mailing Address: Axis Communications AB, Emdalavägen 14, SE-223 69 Lund, Sweden

Sionature:

PATENT REEL: 050958 FRAME: 0174

Axis Ref. Number: P170299US01

DECLARATION AND ASSIGNMENT FOR APPLICATION

Patent Application Tide: METHOD FOR INTRA REFRESH ENCODING OF A PLURALITY OF IMAGE FRAMES

the patent application for which: is being filed concurrently herewith, Application Number to be assigned by the USPTO, or was filed onas United States Application Numberor PCT International Application Number	
Declaration of Inventor	
As a below named inventor, I hereby declare that:	
A. I believe I am the original inventor or an original joint inventor of the subject matter which is claimed and for which a patent is sought by the above-identified patent application;	
B. The above-identified application was made or authorized to be made by me; and	
C. I hereby acknowledge that any willful false statements made in this declaration are punishable by fine comprisonment, or both, under 18 U.S.C. § 1001.	Ж
grows the contract of the cont	

Inventor Assignment Acknowledgement

For good and valuable consideration, the receipt of which is hereby acknowledged, I agree as follows:

- A. I have sold, assigned and transferred (directly or indirectly), and by this agreement do hereby sell, assign, and transfer, to the legal entity identified below ("Assignee") and its successors and assigns, my entire worldwide right, title and interest in and to any and all ideas, inventions, methods and improvements which are described in the above-identified patent application, and in and to said application, and all divisional, continuing (in whole or in part), substitute, renewal, reissue, provisional, and all other applications or registrations for Letters Patent which have been or shall be filed in the United States and all foreign countries based on any of said ideas, inventions, methods and improvements, or based on or claiming priority to said application; and in and to all original and reissued Letters Patent which have been or shall be issued in the United States and foreign countries from any of said applications or registrations; and in and to all rights of priority resulting from the filing of any of said applications or registrations (all collectively, the "Patent Rights"). Letters Patent as used herein shall include, without limitation, patents, utility models, industrial designs, and any other form of industrial property recognized under the Paris Convention for the Protection of Industrial Property.
- B. I agree (i) that Assignee may apply for and receive Letters Patent based on the Patent Rights in its own name; (ii) that, when requested, without charge to, but at the expense of, said Assignee, its successors and/or assigns, to carry out in good faith the intent and purpose of this agreement. I will execute all divisional, continuing (in whole or in part), substitute, renewal, reissue, and all other applications or registrations included within the Patent Rights; (iii) to execute all rightful oaths, declarations, assignments, powers of attorney and other papers related to the Patent Rights; (iv) to communicate to said Assignee, its successors, assigns, representatives and agents, all facts known to the undersigned relating to said Patent Rights and the history thereof; and (v) to generally do everything which Assignee, its successors, assigns, representatives or agents shall consider desirable for aiding in securing and maintaining proper protection for said Patent Rights and for vesting title to said Patent Rights in Assignee, its successors and assigns.

PATENT REEL: 050958 FRAME: 0175 C. I covenant with Assignee, its successors and assigns, that no assignment, grant, mortgage, license, or other agreement affecting the Patent Rights has been made to others by me, and that full right to convey the same as set forth herein is possessed by me.

ASSIGNEE: Axis AB, having an address of Emdalavägen 14, SE-223 69 Lund, Sweden

IN WITNESS to my agreement to the foregoing, I have executed as set forth below:

Name of Inventor: Viktor Edpalm

Mailing Address: Axis Communications AB, Emdalavägen 14, SE-223 69 Lund, Sweden

Signature: Attor Fdpalm Date: 26/9-19

PATENT REEL: 050958 FRAME: 0176

RECORDED: 11/08/2019