506112224 06/17/2020

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6158947

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
RUSSELL GRANNEMAN	07/11/2017

RECEIVING PARTY DATA

Name:	KARL STORZ IMAGING, INC
Street Address:	1 SOUTH LOS CARNEROS ROAD
City:	GOLETA
State/Country:	CALIFORNIA
Postal Code:	93117

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16904382

CORRESPONDENCE DATA

Fax Number: (805)968-2315

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: 8059685563

Email: patent@karlstorz.com

Correspondent Name: KARL STORZ IMAGING, INC.

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Address Line 4: GOLETA, CALIFORNIA 93117

ATTORNEY DOCKET NUMBER:	P17604USII
NAME OF SUBMITTER:	ANN MARTINOV
SIGNATURE:	/Ann Martinov/
DATE SIGNED:	06/17/2020

Total Attachments: 3

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PATENT 506112224 REEL: 052968 FRAME: 0723

Title: Apparatus and Methods for Improving Video Quality From a Digital Video Signal Including Replicated Image Frames

Assignment

(by Sole Inventor)

WHEREAS, I, the undersigned inventor, have	made certain inventions or
discoveries (or both) as set forth in an application for I	Letters Patent of the United States
of America, entitled "APPARATUS AND METHODS F	OR IMPROVING VIDEO
QUALITY FROM A DIGITAL VIDEO SIGNAL INCLUE	DING REPLICATED IMAGE
FRAMES", bearing U.S. Patent Application No.	and filed on

WHEREAS, KARL STORZ Imaging, Inc., a corporation organized and existing under the laws of the State of California, and having an office and place of business at 1 S. Los Carneros Road, Goleta, CA 93117, and, together with its successors and assigns is hereinafter called "Assignee", and is desirous of acquiring the title, rights, benefits and privileges hereinafter recited;

NOW THEREFORE, for valuable consideration furnished by Assignee to me, receipt and sufficiency of which I hereby acknowledge, I hereby, without reservation:

- 1. Assign, transfer and convey to Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in any and all countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
- 2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
- 3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patents to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
- 4. Warrant that I have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell anything embodying or utilizing any of said inventions or discoveries; and that I have good right to assign the same to Assignee without encumbrance;

PATENT REEL: 052968 FRAME: 0724 Page 2 Assignment Serial No. Filed: Atty Docket: **P17604US**Title: Apparatus and Methods for Improving
Video Quality From a Digital Video Signal
Including Replicated Image Frames

- 5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to me or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications and said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me, my heirs, legal representatives and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents, including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to me relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns, which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said inventions and discoveries.
- 6. Authorize and request Assignee, directly or through Assignee's attorneys, to insert the filing date and application number of said application in the above spaces when the filing date and application number are known.

PATENT REEL: 052968 FRAME: 0725 Page 3 Assignment Serial No. Filed: Atty Docket: **P17604US**Title: Apparatus and Methods for Improving
Video Quality From a Digital Video Signal
Including Replicated Image Frames

IN WITNESS WHEREOF, I, **Russell Granneman**, have hereunto set my hand and signed my name.

July 11, 2017

Russell Granneman

c/o KARL STORZ Imaging, Inc.

1 S. Los Carneros Road

Goleta, CA 93117

A Notary Public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF COUNTY OF

CALIFORNIA

: ss.

SANTA BARBARA

.

On July ______, 2017, before me, <u>Douglas S. Kirk</u>, Notary Public, personally appeared <u>Russell Granneman</u>, 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 <u>California</u> that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Notary Public Signature

(Seal)

DOUGLAS S. KIRK
Commission # 2044197
Notary Public - California
Santa Barbara County
My Comm. Expires Oct 29, 2017

PATENT REEL: 052968 FRAME: 0726

RECORDED: 06/17/2020