

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT6840750

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VELIBOR ADZIC	07/30/2021

RECEIVING PARTY DATA

Name:	OP SOLUTIONS, LLC
Street Address:	368 MIDDLE STREET
City:	AMHERST
State/Country:	MASSACHUSETTS
Postal Code:	01002

PROPERTY NUMBERS Total: 20

Property Type	Number
Application Number:	17332027
Application Number:	17332131
Application Number:	17297120
Application Number:	17386126
Application Number:	17386840
Application Number:	17386210
Application Number:	17387037
Application Number:	17357183
PCT Number:	US2127072
Application Number:	17229210
PCT Number:	US2130069
Application Number:	17245073
PCT Number:	US2127183
Application Number:	17229957
Application Number:	63178352
Application Number:	63208241
Application Number:	63197834
Application Number:	63214126
Application Number:	63218732
Application Number:	63220326

PATENT

CORRESPONDENCE DATA**Fax Number:**

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: 6175773963**Email:** docketing@caldwellip.com**Correspondent Name:** CALDWELL INTELLECTUAL PROPERTY LAW, LLC**Address Line 1:** 200 CLARENDON STREET**Address Line 2:** 59TH FLOOR**Address Line 4:** BOSTON, MASSACHUSETTS 02116

NAME OF SUBMITTER:	KEEGAN M. CALDWELL
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SIGNATURE:	/KEEGAN M. CALDWELL/
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DATE SIGNED:	07/30/2021
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Total Attachments: 2

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ASSIGNMENT

WHEREAS, Velibor Adzic, residing in Canton, GA, is the current owner of the entire right, title and interest in and to the following patent applications (hereinafter the Applications”):

Docket No.	Application No.	Date Filed	Application Title
1097-012USU1	17/332,027	5/27/2021	BLOCK-BASED PICTURE FUSION FOR CONTEXTUAL SEGMENTATION AND PROCESSING
1097-013USU1	17/332,131	5/27/2021	BLOCK-BASED SPATIAL ACTIVITY MEASURES FOR PICTURES
1097-014USU1	17/297,120	5/26/2021	ADAPTIVE TEMPORAL FILTER FOR AN UNAVAILABLE REFERENCE PICTURE
1097-016USU1	17/386,126	7/27/2021	SHAPE ADAPTIVE DISCRETE COSINE TRANSFORM FOR GEOMETRIC PARTITIONING WITH AN ADAPTIVE NUMBER OF REGIONS
1097-017USU1	17/386,840	7/28/2021	INTER PREDICTION IN EXPONENTIAL PARTITIONING
1097-019USU1	17/386,210	7/27/2021	EXPLICIT SIGNALING OF EXTENDED LONG TERM REFERENCE PICTURE RETENTION
1097-020USU1	17/387,037	7/28/2021	ONLINE AND OFFLINE SELECTION OF EXTENDED LONG TERM REFERENCE PICTURE RETENTION
1097-025USC1	17/357,183	6/24/2021	GLOBAL MOTION MODELS FOR MOTION VECTOR INTER PREDICTION
1097-038PCT1	PCT/US21/27072	4/13/2021	METHODS AND SYSTEMS FOR COMBINED LOSSLESS AND LOSSY CODING
1097-038USU1	17/229,210	4/13/2021	METHODS AND SYSTEMS FOR COMBINED LOSSLESS AND LOSSY CODING
1097-039PCT1	PCT/US21/30069	4/30/2021	METHODS AND SYSTEMS FOR COMBINED LOSSLESS AND LOSSY CODING
1097-039USU1	17/245,073	4/30/2021	METHODS AND SYSTEMS FOR COMBINED LOSSLESS AND LOSSY CODING
1097-040PCT1	PCT/US21/27183	4/14/2021	METHODS AND SYSTEMS OF VIDEO CODING USING REFERENCE REGIONS
1097-040USU1	17/229,957	4/14/2021	METHODS AND SYSTEMS OF VIDEO CODING USING REFERENCE REGIONS
1097-045USP1	63/178,352	4/22/2021	METHODS AND SYSTEMS FOR HYBRID FEATURE VIDEO BITSTREAM AND DECODER
1097-046USP1	63/208,241	6/8/2021	VIDEO CODING FOR MACHINES (VCM) ENCODER FOR COMBINED LOSSLESS AND LOSSY ENCODING
1097-047USP1	63/197,834	6/7/2021	VIDEO CODING FOR MACHINES (VCM) ENCODER
1097-048USP1	63/214,126	6/23/2021	SYSTEMS AND METHODS FOR ORGANIZING AND SEARCHING A VIDEO DATABASE
1097-049USP1	63/218,732	7/6/2021	SYSTEMS AND METHODS FOR MEMORY-EFFICIENT PREDICTION MODE SELECTION

1097-050USP1 63/220,326 7/9/2021 SYSTEMS AND METHODS FOR DECODER-SIDE SYNTHESIS OF VIDEO SEQUENCES

And whereas, the undersigned is a representative authorized and empowered to sign on behalf of Inventor Name;

And whereas, OP Solutions, LLC, a Massachusetts Limited Liability Company, having a place of business at 368 Middle Street, Amherst, MA 01002 (hereinafter called "Assignee"), desires to acquire the entire right, title and interest in the said patents and inventions, including the right to sue for and collect damages for past infringement;

Now therefore, for good and valuable consideration, receipt whereof is hereby acknowledged, Assignor hereby sells, assigns, and transfers to Assignee, its successors and assigns, the entire right, title and interest in the Applications, and all rights of priority resulting from filing of said patents and patent applications, and in and to any and all divisions, continuations, continuations-in-part, reissues, reexaminations, renewals and substitutions therefore.

Assignor also agrees that Assignee may file additional applications and apply for US and foreign Letters Patent on said inventions, and Assignor request the Commissioner for Patents of the United States Patent and Trademark Office and the authorized officials in each respective foreign patent office to issue any Letters Patent granted upon the inventions set forth in the Applications to Assignee.

Further, Assignor will execute or cause to be executed all papers reasonably necessary in connection with any patents or patent applications herein assigned when called upon to do so by Assignee, and take reasonable steps as requested to aid said Assignee, its successors and assigns, to obtain and enforce proper protection for said patents and inventions.

Assignor hereby covenants that no assignment, sale, agreement, or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Executed as of:

7/30/2021

Date

DocuSigned by: [Signature] Veribor Adzic