#### 506056813 05/12/2020

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6103527

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SHUTING GE	04/17/2017
I-Feng Lin	06/21/2019
HAIBO LIU	04/17/2017
XIAOHUI LI	04/17/2017

#### **RECEIVING PARTY DATA**

Name:	NOVATEK Microelectronics Corp.
Street Address:	2F, No. 13, Innovation Rd. I, Hsinchu Science Park
City:	Hsin-Chu
State/Country:	TAIWAN

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15930417

#### **CORRESPONDENCE DATA**

**Fax Number:** (703)997-4517

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

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Email: Patent.admin.uspto.cr@naipo.com

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Address Line 4: NEW TAIPEI CITY, TAIWAN

ATTORNEY DOCKET NUMBER:	NVAP0529USA
NAME OF SUBMITTER:	SIBYL YU
SIGNATURE:	/SIBYL YU/
DATE SIGNED:	05/12/2020

#### **Total Attachments: 8**

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> PATENT REEL: 052642 FRAME: 0980

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PATENT REEL: 052642 FRAME: 0981

#### Title of Invention:

Frame interpolation method and related video processor

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or			
☐ United States application number		filed on	, or
☐ PCT international application	n number	filed on	
The above-identified application was	made or authorized to be made	e by me.	
I believe that I am the original inventapplication.	or or an original joint inventor of	a claimed invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impri	I false statement made in this de isonment of not more than five (	eclaration is punishable 5) years, or both.	
In consideration of the payment by	NOVATEK Microelectroni Corp.	cs having a postal add	dress of
2F, No. 13, Innovation Rd. I, H	sinchu Science Park, Hsi	n-Chu 300, Taiwan, R.O.	C.
(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dollar (\$ 1 d valuable consideration.	.00), the receipt of which is he	ereby
I hereby sell, assign and transfer to A the entire right, title and interest in ar invention as above-identified application or substitutes, or extensions thereof, and	nd to any and all improvements tion and, in and to, all Letters Pa any continuations, continuation	which are disclosed in the atent to be obtained for said in part. divisions, renewals	1EE
I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;			
I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal			
representatives any and all papers, in maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her	lication, said invention and said cessary or desirable to carry ou	Letters Patent and said the proposes thereof	
Note: An application data sheet (PTC	D/SB/14 or equivalent), including	naming the entire	

Page 1 of 8

inventive entity, must accompany this form. Use this form for each additional inventor.

NPO#NVA-P0529-USA:0 CUST#NVT-2017-017-US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor:

SKC2(84 2027/04/19 22:15:04

SHUTING GE

Date: 2017 - 4 - 17

Signature: SHUTING GE

Page 2 of

#### Title of Invention:

Frame interpolation method and related video processor

As the below named inventor, I here This declaration is directed to:	by declare that:		
The attached application, or			
☐ United States application nu	ımber	_filed on, o	or
☐ PCT international applicatio	n number	filed on	
The above-identified application was	made or authorized to be made	by me.	
I believe that I am the original invent application.	or or an original joint inventor of a	claimed invention in the	
I hereby acknowledge that any willfu under18 U.S.C. 1001 by fine or impr	I false statement made in this dec isonment of not more than five (5	claration is punishable ) years, or both.	
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(referred to as "ASSIGNEE"below) to acknowledged, andfor other good ar	o I of the sum of One Dollar (\$ 1.0 nd valuable consideration.	00), the receipt of which is here	by
I hereby sell, assign and transfer to ASSIGNEE and the successors and assignees of the ASSIGNEE the entire right, title and interest in and to any and all improvements which are disclosed in the invention as above-identified application and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof.			
I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;			
I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal			
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her	olication, said invention and said Lucessary or desirable to carry out	etters Patent and said the proposes thereof	
Note: An application data sheet (PTO/SB/14 or equivalent), including naming the entire inventive entity, must accompany this form. Use this form for <u>each additional inventor.</u>			

Page 3 of 8

LEGAL NAME OF INVENTOR(ASSIGNOR)

inventor:

NVT00137 2017/04/17 15:18:16

I-Feng Lin

Date:

JUN 2 1 2019

Signature:

拼熱蜂

Page 4 of 8

F#NPO-P0002E-US1201 DSB0-106U010286

NPO#NVA-P0529-USA:0

CUST#NVT-2017-017-US

PATENT REEL: 052642 FRAME: 0985

#### Title of Invention:

Frame interpolation method and related video processor

As the below named inventor, I hereby This declaration is directed to:	y declare that:		
☑ The attached application, or			
☐ United States application nun	nber	filed on, or	
☐ PCT international application	number	filed on	
The above-identified application was r	made or authorized to be made t	by me.	
I believe that I am the original inventor application.	or an original joint inventor of a	claimed invention in the	
I hereby acknowledge that any willful funder18 U.S.C. 1001 by fine or imprise	alse statement made in this deconment of not more than five (5)	laration is punishable years, or both.	
	OVATEK Microelectronics	having a postal address o	f
2F, No. 13, Innovation Rd. I, Hs	inchu Science Park, Hsin-	Chu 300, Taiwan, R.O.C.	
(referred to as "ASSIGNEE"below) to I acknowledged, andfor other good and	of the sum of One Dollar (\$ 1.00 valuable consideration.	0), the receipt of which is hereby	
I hereby sell, assign and transfer to ASSIGNEE and the successors and assignees of the ASSIGNEE the entire right, title and interest in and to any and all improvements which are disclosed in the invention as above-identified application and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuations, continuation-in-part, divisions, renewals, substitutes, or extensions thereof, and as to Letters Patent any reissue or re-examination thereof.			
I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;			
I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal			
representatives any and all papers, ins maintain, issue and enforce said applie equivalents thereof which may be nece IN WITNESS WHEREOF, I have here	cation, said invention and said Le essary or desirable to carry out t	etters Patent and said	
Note: An application data sheet (PTO/inventive entity, must accompany this	SB/14 or equivalent), including n form. Use this form for <u>each add</u>	aming the entire itional inventor.	

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NPO#NVA-P0529-USA:0 CUST#NVT-2017-017-US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: HAIBO LIU

BHDS (No. 1911) Fr. (1911) - Sc

Date:

2017-4-17

Signature: HAIBD LIU

#### Title of Invention:

Frame interpolation method and related video processor

As the below named inventor, I here This declaration is directed to:	by declare that:		
☑ The attached application, or			
☐ United States application nu	ımber	filed on,	or
☐ PCT international applicatio	n number	filed on	
The above-identified application was	made or authorized to be made I	by me.	
I believe that I am the original invent application.	or or an original joint inventor of a	claimed invention in the	
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(referred to as "ASSIGNEE"below) to acknowledged, andfor other good an	o I of the sum of One Dollar (\$ 1.0 d valuable consideration.	0), the receipt of which is here	eby
I hereby sell, assign and transfer to a the entire right, title and interest in a invention as above-identified applica invention by the above application of substitutes, or extensions thereof, ar	nd to any and all improvements w tion and, in and to, all Letters Pat any continuations, continuation-i	nich are disclosed in the ent to be obtained for said n-part, divisions, renewals.	Е
I hereby covenant that no assignment entered into which would conflict with		ce has been or will be made o	ır
I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to I and will testify as to the same in any interference, litigation proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal			
representatives any and all papers, i maintain, issue and enforce said app equivalents thereof which may be ne IN WITNESS WHEREOF, I have her	plication, said invention and said Lacessary or desirable to carry out	etters Patent and said he proposes thereof.	
Note: An application data sheet (PTC inventive entity, must accompany thi	D/SB/14 or equivalent), including is some some some some some some some som	naming the entire litional inventor.	

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NPO#NVA-P0529-USA:0 CUST#NVT-2017-017-US

LEGAL NAME OF INVENTOR(ASSIGNOR)

Inventor: XIAOHUI LI

Date:

2017-4-17

Signature:

XIAOHUL LI

NPO#NVA-P0529-USA:0 CUST#NVT-2017-017-US Page 8 of 8

F#NPO-P0002E-US1201 DSB0-106U010286

PATENT REEL: 052642 FRAME: 0989

**RECORDED: 05/12/2020**