

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PERVEZ MIRZA AZIZ	04/26/2019
VISHNU BALAN	04/26/2019
VISWANATH ANNAMPEDU	04/26/2019
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<b>Postal Code:</b>	95051
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	16802437
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<b>NAME OF SUBMITTER:</b>	CHARLES A. MIRHO
<b>SIGNATURE:</b>	/Charles A. Mirho/
<b>DATE SIGNED:</b>	03/25/2020
<b>Total Attachments: 2</b>	
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**ASSIGNMENT OF PATENT  
APPLICATION**

Attorney Docket No.: FSP1616

Filed: Tuesday, April 16, 2019

Title: IMPROVED CLOCK DATA RECOVERY CONVERGENCE USING SIGNED TIMING  
INJECTION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we, the undersigned,

Pervez Mirza Aziz

Vishnu Balan

Viswanath Annampedu

hereby sell, assign, and transfer to

**Nvidia Corp.**

having a principal place of business at **2788 San Tomas Expressway, Santa Clara, CA, 95051, USA**, ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions or improvements that are disclosed in the application (provisional or non-provisional) for the United States patent which may have a declaration executed by the undersigned prior hereto or concurrently herewith and is entitled

**IMPROVED CLOCK DATA RECOVERY CONVERGENCE USING SIGNED TIMING INJECTION**

said patent application also identified as follows (when known): **16/386,029** filed on **Tuesday, April 16, 2019**,

and to each and all of the following applications which claim priority to the above-identified application and to which I, the undersigned, contributed material disclosed and/or claimed:

[I/we hereby authorize an attorney or agent for said Assignee to insert below the application number and filing date of said patent application claiming priority, when known.] **Application Number 16/802,437 filed on 02/26/2020**

and in and to said application (provisional or non-provisional) and all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions or improvements; and in and to all original patents, reissued patents, reexamination certificates, and extensions, that have been or shall be issued in the United States and all foreign countries on said inventions or improvements; and in and to all rights of priority resulting from the filing of said applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions or improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all provisional applications, non-provisional applications, utility applications, design applications, divisional applications, continuation applications, continued prosecution applications, continuation-in-part applications, substitute applications, renewal applications, reissue applications, reexaminations, extensions, and all other patent applications on any and all said inventions or improvements;

execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions or improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions or improvements and for vesting title to said inventions or improvements, and all applications for patents and all patents on said inventions or improvements, in said Assignee, its successors, assigns, and legal representatives; and

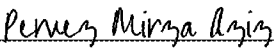
covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

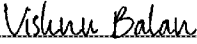
**Each Inventor: Please Sign and Date Below:**


Pervez Mirza Aziz

Vishnu Balan

Viswanath Annampedu

DocuSigned by:		
	4/26/2019	<u>Pervez Mirza Aziz</u>
49099B2B9E68421...		
Signature	Date	Printed/Typed Name

DocuSigned by:		
	4/26/2019	<u>Vishnu Balan</u>
35A61EF423D94C2...		
Signature	Date	Printed/Typed Name

DocuSigned by:		
	4/26/2019	<u>Viswanath Annampedu</u>
0082A4A1...		
Signature	Date	Printed/Typed Name

Assignment Document Return Address:

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