

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7155035

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DHINESHKUMAR PACHAMUTHU	01/20/2022
ABDUL NAFEEZ MOHAMMAD	01/20/2022
VIVEK MATHEW	01/21/2022
SARA BONEFAS	01/20/2022
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DISCOVER FINANCIAL SERVICES
<b>Street Address:</b>	2500 LAKE COOK ROAD
<b>City:</b>	RIVERWOODS
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60015
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17581546
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)754-9603
<i>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.</i>	
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<b>Correspondent Name:</b>	LEE SULLIVAN SHEA & SMITH LLP
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<b>ATTORNEY DOCKET NUMBER:</b>	DISCOVER 21-0705-NP
<b>NAME OF SUBMITTER:</b>	ZUHA S. IRFAN
<b>SIGNATURE:</b>	/Zuha S. Irfan/
<b>DATE SIGNED:</b>	02/02/2022
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned individual(s) (referred to herein as "INVENTOR(S)") have sold, assigned, and transferred and do hereby sell, assign, and transfer to Discover Financial Services, having its principal place of business at 2500 Lake Cook Road, Riverwoods IL 60015 ("ASSIGNEE"), for itself and any successors, assignees, and transferees, the following:

1. The entire worldwide right, title, and interest in all inventions and improvements ("SUBJECT MATTER") that are disclosed in the following U.S. provisional patent application filed under 35 U.S.C. § 111(b), U.S. non-provisional patent application filed under 35 U.S.C. § 111(a), international patent application filed according to the Patent Cooperation Treaty (PCT), and/or U.S. national-phase patent application filed under 35 U.S.C. § 371 (the "APPLICATION(S)"):

U.S. Application No. 17/581,546, filed on January 21, 2022 and entitled  
**"COMPUTING SYSTEMS AND METHODS FOR CREATING AND EXECUTING  
USER-DEFINED ANOMALY DETECTION RULES AND GENERATING  
NOTIFICATIONS FOR DETECTED ANOMALIES"**

2. The entire worldwide right, title, and interest in and to: (a) the APPLICATION(S); (b) all provisional, utility, divisional, continuation, continuation-in-part, substitute, renewal, reissue, reexamination, extension, counterpart, and other patent applications claiming priority to the APPLICATION(S) or otherwise relating thereto that have been or may be filed in the United States or elsewhere in the world; (c) all patents (including reissues and reexaminations) which may be granted on the patent applications set forth in (a) and (b) above; (d) all right to claim priority to the APPLICATION(S) and to any underlying U.S. provisional, U.S. non-provisional, international, and foreign patent applications; and (e) all rights to sue for, seek, and recover past, present, and future damages and other remedies for infringement of the rights above.

Each INVENTOR agrees that ASSIGNEE may apply for and receive patents for SUBJECT MATTER in ASSIGNEE's own name.

Each INVENTOR agrees to do the following, when requested, and without further consideration, in order to carry out the intent of this Assignment: (1) execute all oaths, assignments, powers of attorney, applications, and other papers necessary or desirable to fully secure to ASSIGNEE the rights, titles and interests herein conveyed; (2) communicate to ASSIGNEE all known facts relating to the SUBJECT MATTER; and (3) generally do all lawful acts that ASSIGNEE shall consider desirable for securing, maintaining, and enforcing worldwide patent protection relating to the SUBJECT MATTER and for vesting in ASSIGNEE the rights, titles, and interests herein conveyed, including testifying in legal proceedings related to SUBJECT MATTER. Each INVENTOR further agrees to provide any successor, assignee, transferee, or legal representative of ASSIGNEE with the benefits and assistance provided to ASSIGNEE hereunder.

Each INVENTOR represents that INVENTOR has the rights, titles, and interests to convey as set forth herein, and covenants with ASSIGNEE that the INVENTOR has not made and will not hereafter make any assignment, grant, mortgage, license, or other agreement affecting the rights, titles, and interests herein conveyed.

Each INVENTOR hereby consents that a copy of this Assignment shall be deemed a full legal and formal equivalent of any assignment or like document, and consents to filing a copy of this Assignment or any other related document that may be required in any country for any purpose, including to establish the

forementioned rights of ASSIGNEE or its successors, assigns or nominees to (i) apply for patent or other proper protection for the SUBJECT MATTER and (ii) claim priority to the APPLICATION(S) and to any underlying U.S. provisional, U.S. non-provisional, international, and foreign patent applications.

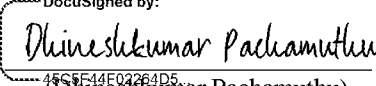
Each INVENTOR grants the attorney of record the power to insert on this Assignment the number of the APPLICATION(S), the filing date of the APPLICATION(S), and any further identification that may be necessary or desirable in order to submit this Assignment or otherwise comply with the rules of any issuing authority (including the United States Patent and Trademark Office), to the extent that such information was not included in the Assignment at the time of execution by any or all of the parties hereto.

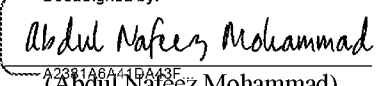
This Assignment supersedes all other assignments and agreements related to the APPLICATION(S).

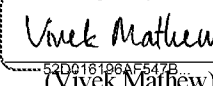
INVENTOR(S) and ASSIGNEE agree that U.S. law governs this Assignment.

This Assignment may be executed in one or more counterparts, each of which shall be deemed an original and all of which may be taken together as one and the same Assignment.

This Assignment may be executed in duplicate, each of which shall be deemed an original.

INVENTOR	
Inventor:	DocuSigned by:  (Dhineshkumar Pachamuthu) <small>45C5F44F03264D5</small>
	Date: 1/20/2022
Residence: Frisco, TX	

INVENTOR	
Inventor:	DocuSigned by:  (Abdul Nafeez Mohammad) <small>42381A6A44BA43F</small>
	Date: 1/20/2022
Residence: Chicago, IL	

INVENTOR	
Inventor:	DocuSigned by:  (Vivek Mathew) <small>520616186A5547B</small>
	Date: 1/21/2022
Residence: Schaumburg, IL	

INVENTOR	
Inventor:	<p>DocuSigned by: <i>Sara Bonifas</i> 78FBBC6D78CA4E7... (Sara Bonifas)</p>
Date:	1/20/2022
Residence: Chicago, IL	

**Discover Financial Services**  
**Assignment Accepted:**

By: *Dennis Lee*  
D81FB3B89AFB4BD...

Print Name: Dennis Lee

Title: Chief IP Counsel & Director

Date: 1/20/2022