

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PATI894922

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	Patent Security Agreement
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Avatier IP, LLC	02/27/2025
<b>RECEIVING PARTY DATA</b>	
<b>Company Name:</b>	Piccadilly Patent Funding LLC, as Security Holder
<b>Street Address:</b>	520 Madison Avenue
<b>Internal Address:</b>	30th Floor
<b>City:</b>	New York
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10022
<b>PROPERTY NUMBERS Total: 29</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	7467401
Patent Number:	7707623
Patent Number:	7950049
Patent Number:	8225103
Patent Number:	8499166
Patent Number:	8931057
Patent Number:	9313207
Patent Number:	9686273
Patent Number:	9979715
Patent Number:	10339542
Patent Number:	10432615
Patent Number:	10552850
Patent Number:	10623397
Patent Number:	10735404
Patent Number:	10848485
Patent Number:	11122034
Patent Number:	11171941
Patent Number:	11700260
Patent Number:	11811750

Property Type	Number
Patent Number:	11991166
Application Number:	18375429
Application Number:	63562678
Application Number:	18669226
Application Number:	61768331
Application Number:	61800817
Application Number:	62120153
Application Number:	62427662
Application Number:	62427678
Application Number:	62501027

**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:** 2028357507

**Email:** jramos@milbank.com,DCIP@milbank.com

**Correspondent Name:** Javier J. Ramos

**Address Line 1:** 1850 K Street, NW

**Address Line 2:** Suite 1100

**Address Line 4:** Washington, DISTRICT OF COLUMBIA 20006

<b>ATTORNEY DOCKET NUMBER:</b>	45831.00006
<b>NAME OF SUBMITTER:</b>	Mr. JAVIER RAMOS
<b>SIGNATURE:</b>	/Mr. JAVIER RAMOS/
<b>DATE SIGNED:</b>	03/25/2025

**Total Attachments: 4**

source=Patent Security Agreement - Avatier IP, LLC#page1.tiff

source=Patent Security Agreement - Avatier IP, LLC#page2.tiff

source=Patent Security Agreement - Avatier IP, LLC#page3.tiff

source=Patent Security Agreement - Avatier IP, LLC#page4.tiff

## PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT (this “Agreement”) is entered into as of February 27, 2025 (this “Agreement”), by and between Avatier IP, LLC (“Grantor”) in favor of Piccadilly Patent Funding LLC (“Security Holder”).

Reference is made to that certain funding agreement, dated as of February 27, 2025, among Grantor, Security Holder and certain other parties (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “Security Agreement”). Consistent with the requirements set forth in the Security Agreement, the parties hereto agree as follows:

SECTION 1. *Terms.* Capitalized terms used in this Agreement and not otherwise defined herein have the meanings specified in the Security Agreement, as applicable, as in effect on the date hereof.

SECTION 2. *Grant of Security Interest.* To secure Security Holder’s rights pursuant to the Security Agreement and as security for the obligations of Grantor under the Security Agreement, Grantor did and hereby does convey, assign, pledge and grant to Security Holder a first priority security interest in all of Grantor’s right, title and interest in, to and under the Collateral (as defined in the Security Agreement), including the patents and patent applications listed in Schedule I hereto.

SECTION 3. *Security Agreement.* The security interests granted to the Security Holder herein are granted in furtherance, and not in limitation of, the security interests granted to the Security Holder pursuant to the Security Agreement. Grantor hereby acknowledges and affirms that the rights and remedies of the Security Holder with respect to the Collateral are more fully set forth in the Security Agreement, the terms and provisions of which are hereby incorporated herein by reference as if fully set forth herein. In the event of any conflict between the terms of this Agreement and the Security Agreement, the terms of the Security Agreement shall govern.

SECTION 4. *Termination or Release.* In connection with any termination or release pursuant to the Security Agreement, the Security Holder shall promptly execute and deliver to Grantor, at Grantor’s expense, such documents that Grantor shall reasonably request to evidence and/or effectuate the termination or release of the security interest granted herein.

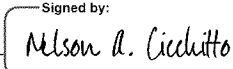
SECTION 5. *Governing Law.* This Agreement, and any claim, controversy or dispute arising under or related to this Agreement, whether in tort, contract (at law or in equity) or otherwise, shall be governed by, and construed and interpreted in accordance with, the laws of the state of Delaware.

SECTION 6. *Counterparts.* This Agreement may be executed in counterparts (and by different parties hereto on different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page of this Agreement by facsimile or by email as a “.pdf” or “.tif” attachment or other electronic transmission shall be effective as delivery of a manually executed counterpart of this Agreement.

[Signature Pages Follow]

IN WITNESS WHEREOF, Grantor has duly executed this Agreement as of the day and year first above written.

**Avatier IP, LLC**

By:  \_\_\_\_\_  
Name: Nelson D. Cicchitto  
Title: Manager

## **SCHEDULE I**

### **PATENTS**

#### Issued Patents

1. U.S. Patent No. 7,467,401; User Authentication without Prior User Enrollment; Issued on December 16, 2008
2. U.S. Patent No. 7,707,623; Self-Service Resource Provisioning Having Collaborative Compliance Enforcement; Issued on April 27, 2010
3. U.S. Patent No. 7,950,049; Hybrid Meta-Directory; Issued on May 24, 2011
4. U.S. Patent No. 8,225,103; Controlling Access to a Protected Network; Issued on July 17, 2012
5. U.S. Patent No. 8,499,166; Controlling Access to a Protected Network; Issued on July 30, 2013
6. U.S. Patent No. 8,931,057; Apparatus and Method for Access Validation; Issued on January 6, 2015
7. U.S. Patent No. 9,313,207; Apparatus and Method for Access Validation; Issued on April 12, 2016
8. U.S. Patent No. 9,686,273; Aggregator Technology without Usernames and Passwords; Issued on June 20, 2017
9. U.S. Patent No. 9,979,715; Aggregator Technology without Usernames and Passwords; Issued on May 22, 2018
10. U.S. Patent No. 10,339,542; Store Intelligence - In-Store Analytics; Issued on July 2, 2019
11. U.S. Patent No. 10,432,615; Aggregator Technology without Usernames and Passwords Implemented in Unified Risk Scoring; Issued on October 1, 2019
12. U.S. Patent No. 10,552,850; Store Intelligence - In-Store Analytics; Issued on February 4, 2020
13. U.S. Patent No. 10,623,397; Aggregator Technology without Usernames and Passwords; Issued on April 14, 2020
14. U.S. Patent No. 10,735,404; Aggregator Technology without Usernames and Passwords Implemented in A Service Store; Issued on August 4, 2020
15. U.S. Patent No. 10,848,485; Method and Apparatus for a Social Network Score System Communicably Connected to an ID-Less and Password-Less Authentication System; Issued on November 24, 2020
16. U.S. Patent No. 11,122,034; Method and Apparatus for an Identity Assurance Score with Ties to an ID-Less and Password-Less Authentication System; Issued on September 14, 2021

17. U.S. Patent No. 11,171,941; Mobile Device Enabled Desktop Tethered and Tetherless Authentication; Issued on November 9, 2021
18. U.S. Patent No. 11,700,260; Method and Apparatus for Native Authentication to Cloud Services with Identity Management of On-Premise Applications from the Cloud; Issued on July 11, 2023
19. U.S. Patent No. 11,811,750; Mobile Device Enabled Desktop Tethered and Tetherless Authentication; Issued on November 7, 2023
20. U.S. Patent No. 11,991,166; Method and Apparatus for an identity insurance score with ties to an ID-less and password-less authentication system; Issued on May 21, 2024
21. U.S. Patent Application No. 18/375,429; Mobile device enabled desktop tethered and tetherless authentication; Filed on January 25, 2024

#### Patent Applications

1. U.S. Patent Application No. 63/562,678; Method and system for human assisted authentication; Filed on March 7, 2024
2. U.S. Patent Application No. 18/669,226; Method and apparatus for an identity assurance score with ties to an id-less and password-less authentication system; Filed on May 20, 2024

#### Expired Patent Applications:

1. U.S. Patent Application No. 61/768,331; Store intelligence - in-store analytics; Filed on February 22, 2013
2. U.S. Patent Application No. 61/800,817; Cloud HD and time-based two factor; Filed on March 15, 2013
3. U.S. Patent Application No. 62/120,153; Social single sign-on aggregator without usernames and passwords; Filed on February 24, 2015
4. U.S. Patent Application No. 62/427,662; Service store; Filed on November 29, 2016
5. U.S. Patent Application No. 62/427,678; Contextual risk service presentation; Filed on November 29, 2016
6. U.S. Patent Application No. 62/501,027; Mobile device enabled desktop tethered and tetherless authentication and method and apparatus for a social network score and identity assurance score ties to id-less and password-less authentication system; Filed on May 3, 2017