PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ABLAIKHAN AKHAZHANOV	07/01/2019
MARYAM MOOSAEI	07/01/2019
HAO YANG	07/01/2019

RECEIVING PARTY DATA

Name:	VISA INTERNATIONAL SERVICE ASSOCIATION	
Street Address:	P.O. BOX 8999	
City:	SAN FRANCISCO	
State/Country:	ate/Country: CALIFORNIA	
Postal Code: 94128		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	17348087

CORRESPONDENCE DATA

Fax Number: (412)471-4094

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

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

Phone: 412-471-8815

assignments@webblaw.com Email: **Correspondent Name:** THE WEBB LAW FIRM

Address Line 2: 420 FT. DUQUESNE BLVD, SUITE 1200

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

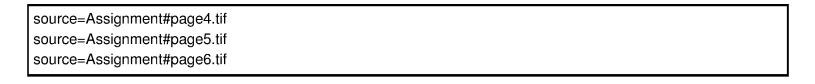
ATTORNEY DOCKET NUMBER: 8223-2102792 (3355US02) NAME OF SUBMITTER: AARON A. MACE REG NO. 61,812 SIGNATURE: /Aaron A. Mace/ **DATE SIGNED:** 06/15/2021

Total Attachments: 6

Address Line 1:

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> **PATENT REEL: 056549 FRAME: 0758** 506716040



PATENT REEL: 056549 FRAME: 0759

The WEBB Law Firm One Gateway Center 420 Ft. Duquesne Blvd., Suite 1200 Pittsburgh 15222 United States of America

WHEN RECORDED RETURN TO: PATENT APPLICATION Docket No.: 3355US01

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I/We the undersigned, hereinafter collectively referred to as "Assignor", have made an invention entitled

Method, System, and Computer Program Product for Generating New Items Compatible with Given Items

Said invention is disclosed in a United States patent application (the "Application:) which:

		erewith for filing in the United States Patent an been assigned Application Serial No.
		l in a patent application (the "Application").
Z	Was previously filed in the	United States Patent and Trademark Office or
	13-Jun-2019 Said invention is disclosed	as Application Serial No. 16/439,861 in a patent application (the "Application").
	Is a United States Nationa	I Application of PCT International Application
Section 1	No.	filed
	Said invention is disclosed	in a patent application (the "Application").

(The attorneys of The WEBB Law Firm are hereby authorized to insert the serial number and filing date when known)

The Assignee, Visa International Service Association a corporation of the State of Delaware having a principal place of business at P.O. Box 8999, San Francisco, CA, 94128, United States of America

desires to secure the entire right, title and interest in said invention and the patent application filed thereon.

Page 1 of 6

For good and valuable consideration, the sufficiency of which is acknowledged, I hereby assign and transfer and/or have assigned and transferred to Assignee: my entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom and the right to claim priority to the Application, all inventions or discoveries therein disclosed, and any and all Letters Patent of the United States, European Patent Office and of all other countries, which may be granted for such inventions or discoveries, or any of them, all such inventions or discoveries and all rights in such Application including any and all provisionals, substitutions, divisions, and continuations thereof, and to all Letters Patent that may be granted for said inventions and discoveries, and in and to all extensions, supplementary protection certificates, reexaminations, renewals, and reissues thereof, to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

I shall execute all papers necessary in connection with the Application in the United States Patent and Trademark Office, European Patent Office, any other patent offices, and under the Patent Cooperation Treaty, and any continuing, divisional, or reissue applications thereof, any reexamination of any of such applications, and any patent term extensions or supplementary protection certificates of any such applications and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. I shall execute all papers necessary in connection with any litigation or any other judicial proceeding in the United States or other country, or any administrative proceeding in the United States Patent and Trademark Office, European Patent Office, any other patent office, or under the Patent Cooperation Treaty concerning the Application(s) or any continuation, divisional, or reissue applications thereof, or any reexamination of any such applications, or any Letters Patent issued therefrom or any patent term extensions or supplementary protection certificates of any such applications and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such litigation or proceeding.

I shall execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

I shall do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States, by the European Patent Office and in all other countries where Assignee may desire to have such inventions or discoveries, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

Page 2 of 6 ASSIGNMENT 3355US01

I hereby (i) authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from the Application or any divisional, continuation, or reissue applications thereof, and any reexamination of any of such applications, to Assignee, and (ii) covenant that I have full rights to convey the interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith. I hereby grant the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to obtain legal recordation of this document.

Acknowledgment of this Assignment is made by/on behalf of the Assignee:

Assignee: Visa International Service Association,

Place of Business: P.O. Box 8999, San Francisco, CA, 94128, United States of

America

Timothy Bedard, Vice President

Witness:

Signature:

Print Name:

Signature:

Print Name:

Page 3 of 6

This assignment and agreement shall be binding upon a representatives. Inventor 1 Name: Ablaikhan Akhazhanov	Assignor's heirs and legal
1.1	er la llanca
Inventor's signature:	pate: _ <i>07/01/2019</i>
V	ý.
Witness	
Signature:	
Print Name: XIN LT	
Signature: Tzanns Aneviavis	

This assignment and agreement shall be bi	nding upon Ass	ng upon Assignor's heirs and legal				
representatives. Inventor 2 Name						
Maryam Moosaei	2 					
Inventor's signature:		Date:	$\eta_{i,l}$,	2.19		
Witness						
on the state of th						
Print Name: Yuktwa wa						
	San					
Quean Cin	***************************************	48				
Signature: Yu-San Lin						

Page 5 of 6

representative	28.	all be binding upon Assignor's heirs and legal
Inventor 3 Na Hao Yang	ne	
Inventor's sign	rature: 44	Date: 07/01/2019
Witness		
Signature: Print Name:	Yurawe wa	
Signature: Print Name:	Yusanün Viesanün	

Page <u>6</u> of <u>6</u>