

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5111018

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	SRINIVASA RAO	06/26/2017
	TODD WHITELEY	07/10/2017
RECEIVING PARTY DATA		
Name:	VAIL SYSTEMS, INC.	
Street Address:	570 LAKE COOK ROAD	
Internal Address:	SUITE 400	
City:	DEERFIELD	
State/Country:	ILLINOIS	
Postal Code:	60015	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16112977	
CORRESPONDENCE DATA		
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ATTORNEY DOCKET NUMBER:	11404/006349-US1	
NAME OF SUBMITTER:	SAMANTHA CHAN	
SIGNATURE:	/Samantha Chan/	
DATE SIGNED:	08/27/2018	
Total Attachments: 2		
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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made by **Srinivasa RAO** (Schaumburg, IL) and **Todd WHITELEY** (Lake Forest, IL) (hereinafter referred to as "**Assignors**").

WHEREAS, Assignors have invented certain new and useful improvements in **A FRAUD DETECTION SYSTEM AND METHOD** (hereinafter referred to as "**Invention**"), set forth in U.S. Patent Application No. 15/ 646 , 532 , filed /SM/
July 11 , 2017 (hereinafter referred to as "**Application**," Attorney Docket No. 07/17/2017
1489511-5010US); and

WHEREAS, **Vail Systems, Inc.**, having its principal place of business at 570 Lake Cook Road, Suite 400, Deerfield, IL 60015 (hereinafter referred to as "**Assignee**"), is desirous of acquiring the entire right, title and interest in and to said Invention and said Application, and in and to any Letters Patent of the United States to be obtained therefor and thereon.

NOW, THEREFORE, IN CONSIDERATION OF good and sufficient consideration, the receipt and sufficiency of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned Invention and Application, and in and to any and all direct and indirect utility, provisional, non-provisional, utility model, design, divisional, continuation and continuation-in-part of said Application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefor and thereon, and reissues, reexaminations and extension of said Letters Patent, and all rights under the International Convention for Protection of Industrial Property including all rights of priority, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the Invention and Application, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said Invention, its successors, legal representatives

and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns shall advise: that any proceeding in connection with said Invention, or said Application, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said Invention in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Director of the United States Patent and Trademark Office to issue said Letters Patent of the United States to Assignee, as Assignee of said Invention and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment the application filing date and application serial number, and any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

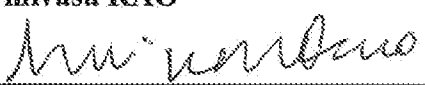
MCGUIREWOODS LLP

including all practitioners at Customer Number 23345.

AND Assignors acknowledge an obligation of assignment of this Invention to Assignee at the time the Invention was made.

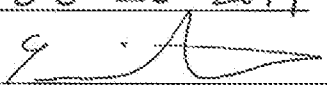
IN WITNESS WHEREOF, Assignors have hereunto set hand and seal.

Assignor: **Srinivasa RAO**

Signature: 

Print Name: Srinivasa RAO

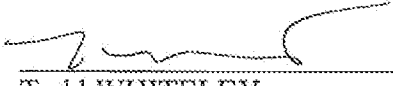
Date: 06-26-2017

Witnessed by:  [Signature]

Print Name: Eunice Park

Date: 6/26/17

Assignor: **Todd WHITELEY**

Signature: 

Print Name: Todd WHITELEY

Date: 7/10/2017 *TA*

Witnessed by:  [Signature]

Print Name: Eunice Park

Date: 7/10/17