

## 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>
FRED MEYER	12/23/2013
THAO PHAN	10/30/2013
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNITED AIRLINES, INC.
<b>Street Address:</b>	233 SOUTH WACKER DRIVE
<b>Internal Address:</b>	11TH FLOOR HDQLD
<b>City:</b>	CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60606
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	13844539
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(312)474-0448
<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>	
<b>Phone:</b>	312-474-6300
<b>Email:</b>	docket@marshallip.com
<b>Correspondent Name:</b>	MARSHALL, GERSTEIN & BORUN LLP
<b>Address Line 1:</b>	233 SOUTH WACKER DRIVE
<b>Address Line 2:</b>	SUITE 6300
<b>Address Line 4:</b>	CHICAGO, ILLINOIS 60606
<b>ATTORNEY DOCKET NUMBER:</b>	32188/47592 US
<b>NAME OF SUBMITTER:</b>	PAUL B. STEPHENS
<b>SIGNATURE:</b>	/Paul B. Stephens/
<b>DATE SIGNED:</b>	12/23/2016
<b>Total Attachments: 3</b>	
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ASSIGNMENT

Serial No: 13/844,539

Filed: March 15, 2013

Title: MATERIAL HARMONIZATION DISPOSITION SYSTEM FOR ELECTRONIC INVENTORIES

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, each of the undersigned hereby assigns to UNITED AIRLINES, INC., 233 South Wacker Drive, 11th Floor HDQLD, Chicago, Illinois 60606 and its successors and assigns ("Assignee") the entire right, title and interest in and to the inventions of such undersigned disclosed in the application listed above, and in any and all other applications anywhere in the world which the undersigned may file and/or be named as an inventor of, solely or jointly, on said inventions, in any and all patents which may be obtained on any of said applications and in any and all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates and/or extensions thereof, including without limitation, the right to bring suit and to claim and retain all damages and/or seek other remedies for the past, present and future infringement of any of the foregoing, the right of priority, including without limitation to claim priority benefit of or to said patent applications, and request the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of the Assignee.

Each of the undersigned states that the application listed above is or was made or authorized to be made by him or her. Each of the undersigned believes himself or herself to be the original inventor or a joint inventor with another undersigned of a claimed invention in the application listed above. Each of the undersigned acknowledges that any willful false statement made by him or her in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both.

Except in favor of Assignee, each of the undersigned warrants that: (i) he or she is the owner of all its rights, titles and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (ii) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, titles and interests herein assigned.

Upon the request of Assignee and at no expense to the undersigned, each of the undersigned hereby agrees to execute any and all applications on said inventions, including without limitation for the reissue, reexamination, supplementary protection certificate or extension thereof and any oath, declaration or affidavit relating thereto that said Assignee may deem necessary or expedient, and to cooperate to the best of the ability of the undersigned with and perform any and all affirmative acts requested by Assignee to prepare, file, prosecute, maintain, defend, enforce and vest in Assignee the rights, titles and interests assigned herein, including without limitation, preparing and executing statements and giving and producing evidence in support thereof, whereby said rights, titles and interests will be held and enjoyed by said Assignee to the full end of the term for which said

MARSHALL, GERSTEIN & BORUN LLP, 233 S. Wacker Drive, 6300 Willis Tower, Chicago, Illinois 60606-6357

Fred Meyer  
Fred Meyer

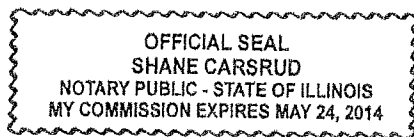
State of ~~California~~ Illina's )  
County of Williamson ) ss.

On Dec 26, 2013, before me, Shane Carsrud  
Fred L Meyer, personally  
appeared Fred Meyer, who proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me  
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the  
person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is  
true and correct.

WITNESS my hand and official seal.

Shane Carsrud



Thao Phan  
Thao Phan

State of Massachusetts )  
~~California~~ )  
County of Norfolk ) ss.

On 30<sup>th</sup> Day of October before me, Thao U Phan, personally  
appeared Thao Phan, who proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me  
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the  
person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is  
true and correct.

WITNESS my hand and official seal.

[Signature]

