

## 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>
JEFFREY A. CHWAST	12/14/2006
JING J. WANG	12/14/2006
DI W. XU	12/14/2006
CHAO M. YUAN	12/14/2006
KATHLEEN HAGGERTY	12/14/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC.
<b>Street Address:</b>	200 VESEY STREET
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10285-4900
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15668543
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(602)382-6070
<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>	602-382-6000
<b>Email:</b>	ipdocket@swlaw.com, dmier@swlaw.com
<b>Correspondent Name:</b>	SNELL & WILMER L.L.P. (AMEX-HIS)
<b>Address Line 1:</b>	ONE ARIZONA CENTER
<b>Address Line 2:</b>	400 E. VAN BUREN STREET
<b>Address Line 4:</b>	PHOENIX, ARIZONA 85004-2202
<b>ATTORNEY DOCKET NUMBER:</b>	20655.02937
<b>NAME OF SUBMITTER:</b>	HOWARD I. SOBELMAN
<b>SIGNATURE:</b>	/Howard I. Sobelman/
<b>DATE SIGNED:</b>	08/03/2017
<b>Total Attachments: 3</b>	

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# ASSIGNMENT

UTILITY PATENT

*MAK*  
*1/8/07*

WHEREAS, the undersigned inventor(s) (hereinafter singly and collectively, "ASSIGNOR") of the addresses indicated below, have invented subject matter disclosed in the patent application entitled Estimating the Spend Capacity of Consumer Households filed herewith or was filed on 12/15/06 and assigned U.S. Serial No. 11/611,699

AND WHEREAS, AMERICAN EXPRESS TRAVEL RELATED SERVICES COMPANY, INC. (hereinafter "ASSIGNEE"), a subsidiary of AMERICAN EXPRESS COMPANY, a corporation organized and existing under and by virtue of the laws of the State of New York, having its principal place of business and mailing address at General Counsel's Office, American Express Tower, 3 World Financial Center, 200 Vesey Street, New York, New York 10285-4900, is desirous of memorializing its interest therein;

NOW, THEREFORE, the undersigned ASSIGNOR hereby confirms that ASSIGNOR is a full time salaried employee, past employee or a contractor of AMERICAN EXPRESS COMPANY or one of its subsidiary companies (collectively "AXP") and that ASSIGNOR developed the subject matter of the invention on AXP's time and at the expense of AXP and within the scope of ASSIGNOR's duties as an employee of AXP and thereby ASSIGNOR recognizes that AXP owns the invention as described in the aforesaid application. Nonetheless to comport with Patent Office procedures, ASSIGNOR memorializes that relationship in the form of this assignment and;

THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR by these presents does sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the invention, as described in the aforesaid application, including patent, copyright and any other intellectual property rights, any provisional, non-provisional, continuation, continuation in part, divisional, reissue, reexamination, foreign, PCT or other patent application or like document, or any other application which claims priority to said application, in the United States and all foreign countries, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States adheres, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

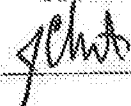
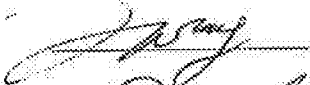
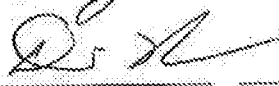

AND HEREBY AGREES to transfer to ASSIGNEE, its successors, assigns and legal representatives, without further remuneration, a like interest in and to any improvements, derivative works, and applications based thereon, growing out of or relating to the invention; and to provide all reasonable assistance and execute any papers, if accurate, desired by ASSIGNEE, its successors, assigns and legal representatives, to preserve, acquire and/or perfect ASSIGNEE's full protection and title in and to the invention and any improvements and to file any of the aforementioned applications.

AXP Matter No.: 200602150

PATENT  
REEL: 043191 FRAME: 0702

In the event that the Application Number and/or filing date is not available when this Assignment is executed, I hereby authorize and request any attorney associated with Sterne, Kessler, Goldstein & Fox, P.L.L.C. or American Express Company, Customer No. 53636, to insert in this assignment the filing date and/or the application number of said application and/or any further identification that 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.

EXECUTED as of the date written below by ASSIGNOR:

INVENTOR'S NAME	ADDRESS	SIGNATURE	DATE
Jeffrey A. Chwast	580 Green Place Woodmere, New York 11598		12/14/06
Kathleen Haggerty	24 Starr Avenue Staten Island, New York 10310	_____	_____
Jing J. Wang	187 Woodland Avenue Summit, New Jersey 07901		12/14/06
Di W. Xu	20 Westwood Circle Edison, New Jersey 08820		12/14/06
Chao M. Yuan	18 Clinton Ave. Montclair, New Jersey 07042		12/14/06

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.  
1100 New York Avenue, NW  
Washington, DC 20005-3934  
(202)371-2600

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