

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PENG YANG	08/17/2015
WALLY LO FARO	08/18/2015
RAVI S. ARVAPALLY	08/17/2015
CHRIS J. MERZ	08/17/2015
RECEIVING PARTY DATA	
Name:	MASTERCARD INTERNATIONAL INCORPORATED
Street Address:	2000 PURCHASE STREET
City:	PURCHASE
State/Country:	NEW YORK
Postal Code:	10577
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14829219
CORRESPONDENCE DATA	
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<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>	
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ATTORNEY DOCKET NUMBER:	21652-00472
NAME OF SUBMITTER:	DANIEL M. FITZGERALD
SIGNATURE:	/Daniel M. Fitzgerald/
DATE SIGNED:	08/18/2015
Total Attachments: 5	
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ASSIGNMENT

In consideration of One Dollar and other good and valuable consideration, of which I/we acknowledge receipt, I/we,

Peng Yang	of	Chesterfield, Missouri
Wally Lo Faro	of	Chesterfield, Missouri
Ravi S. Arvapally	of	O'Fallon, Missouri
Chris J. Merz	of	Wildwood, Missouri

hereby sell and assign to **MasterCard International Incorporated** (hereinafter referred to as Assignee), a Delaware Corporation, with its principal address at 2000 Purchase Street, Purchase, New York 10577, USA, its successors and assigns my (our) entire respective right(s), title(s) and interest(s) in and to the invention and improvements invented and originated by me/us and described in the non-provisional application for United States Patent currently entitled:

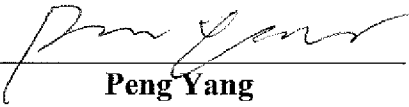
**SYSTEMS AND METHODS FOR GENERATING
RELATIONSHIPS VIA A PROPERTY GRAPH MODEL**

executed concurrently herewith,

filed on _____, having Serial Number _____

and any and all applications for patent and patents therefrom in any and all countries, including all divisions, continuations, reexaminations and reissues thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patent on said inventions and improvements resulting therefrom to said Assignee, or its successors or assigns and agree that on request and without further consideration, but at the expense of said Assignee, I/we will communicate to said Assignee or its representatives or nominees any facts known to me/us respecting said inventions and improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, reexamination and reissue applications, make all rightful oaths and generally do everything possible to aid said Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said invention and its improvements in all countries.

INVENTOR 1

Signature: 
Peng Yang

Date: 17 Aug 2015

Witnessed by: 
Signature

Date: 17 Aug 2015

GARY R. HORN
Printed Name of Witness

INVENTOR 2

Signature: Wally Lo Faro
Wally Lo Faro

Date: 18 Aug 2015

Witnessed by: Gary R Horn
Signature

Date: 18 Aug 2015

GARY R. HORN
Printed Name of Witness

INVENTOR 3

Signature: A. Arvally
Ravi S. Arvally

Date: 08/17/2015

Witnessed by: A. Daniel Ray
Signature

Date: 08/17/2015

DANIEL ANTHONY
Printed Name of Witness

INVENTOR 4

Signature: Chris J. Merz
Chris J. Merz

Date: 8/17/15

Witnessed by: Siddique Hameed
Signature

Date: 08/17/15

SIDDIQUE HAMEED
Printed Name of Witness