TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

ETAS ID: TM382637

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	Supplemental Security Agreement

CONVEYING PARTY DATA

Name	Formerly	Execution Date	Entity Type
IMS Software Services Ltd.		04/29/2016	Corporation: DELAWARE

RECEIVING PARTY DATA

Name:	Bank of America, N.A., as Administrative Agent
Street Address:	Mail Code: TX1-492-14-06
Internal Address:	MAC Legal, 901 Main Street, 14th Floor
City:	Dallas
State/Country:	TEXAS
Postal Code:	75202
Entity Type:	National Association: UNITED STATES

PROPERTY NUMBERS Total: 1

Property Type	Number	Word Mark
Serial Number:	86706668	APPSCRIPT

CH $40.00 86706668

CORRESPONDENCE DATA

Fax Number: 3026365454

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.

Phone: 800-927-9801 x 62348
Email: jean.paterson@cscglobal.com
Correspondent Name: Corporation Service Company
Address Line 1: 1090 Vermont Avenue NW, Suite 430
Address Line 4: Washington, D.C. 20005

ATTORNEY DOCKET NUMBER:	126064
NAME OF SUBMITTER:	Jean Paterson
SIGNATURE:	/jep/
DATE SIGNED:	05/02/2016

Total Attachments: 5
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SUPPLEMENTAL TRADEMARK SECURITY AGREEMENT

Supplemental Trademark Security Agreement, dated as of April 29, 2016, by and between IMS SOFTWARE SERVICES LTD., a Delaware corporation (the "Pledgor"), in favor of BANK OF AMERICA, N.A., in its capacity as collateral agent pursuant to the Credit Agreement (in such capacity, the "Administrative Agent").

WITNESSETH:

WHEREAS, the Pledgor is party to an Amended and Restated Pledge and Security Agreement, dated as of March 17, 2014 (as amended, amended and restated, supplemented or otherwise modified from time to time, the "Security Agreement"), in favor of the Administrative Agent pursuant to which the Pledgor is required to execute and deliver this Supplemental Trademark Security Agreement;

NOW, THEREFORE, in consideration of the premises and to induce the Administrative Agent, for the benefit of the Secured Parties, to enter into the Credit Agreement, the Pledgor hereby agrees with the Administrative Agent as follows:

SECTION 1. Defined Terms. Unless otherwise defined herein, terms defined in the Security Agreement and used herein have the meaning given to them in the Security Agreement.

SECTION 2. Grant of Security Interest in Trademark Collateral. Pledgor hereby pledges and grants to the Administrative Agent for the benefit of the Secured Parties a lien on and security interest in and to all of its right, title and interest in, to and under all Trademarks of such Pledgor listed on Schedule I attached hereto.

SECTION 3. Security Agreement. This Supplemental Trademark Security Agreement has been executed and delivered by the Pledgor for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office. The security interest granted pursuant to this Supplemental Trademark Security Agreement is granted in conjunction with the security interest granted to the Administrative Agent pursuant to the Security Agreement and Pledgor hereby acknowledges and affirms that the rights and remedies of the Administrative Agent with respect to the security interest in the Trademarks made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. In the event that any provision of this Supplemental Trademark Security Agreement is deemed to conflict with the Security Agreement, the provisions of the Security Agreement shall control unless the Administrative Agent shall otherwise determine.

SECTION 4. Termination. Upon termination of the Security Agreement in accordance with Section 11 thereof, the Administrative Agent shall execute, acknowledge, and deliver to the Pledgor an instrument in writing in recordable form releasing the collateral pledge, grant, assignment, lien and security interest in the Trademarks under this Supplemental Trademark Security Agreement.

SECTION 5. Counterparts. This Supplemental Trademark Security Agreement may be executed in any number of counterparts, all of which shall constitute one and the same instrument, and any party hereto may execute this Supplemental Trademark Security Agreement by signing and delivering one or more counterparts.

SECTION 6. Governing Law. This Supplemental Trademark Security Agreement and the transactions contemplated hereby, and all disputes between the parties under or relating to this Sup-

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plemental Trademark Security Agreement or the facts or circumstances leading to its execution, whether in contract, tort or otherwise, shall be construed in accordance with and governed by the laws (including statutes of limitation) of the State of New York.

[signature page follows]

IN WITNESS WHEREOF, Pledgor has caused this Trademark Security Agreement to be executed and delivered by its duly authorized officer as of the date first set forth above.

Very truly yours,

IMS SOFTWARE SERVICES LTD.

By: _____
Name: Jeffrey J. Ford
Title: Treasurer

Accepted and Agreed:

BANK OF AMERICA, N.A.,
as Administrative Agent

By: _____

Name: Kevin L. Ahart
Title: Vice President

[Signature Page to Patent Security Agreement]

SCHEDULE I
to
SUPPLEMENTAL TRADEMARK SECURITY AGREEMENT

Trademark Applications:

Trademark	Filing Date	Serial Number
APPSCRIPT	July 28, 2015	86706668