PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
EHSAN RASEKH	12/03/2015

RECEIVING PARTY DATA

Name:	SAS IP, INC.
Street Address:	1019 E. LINCOLNWAY
City:	CHEYENNE
State/Country:	WYOMING
Postal Code:	82001

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14742265

CORRESPONDENCE DATA

Fax Number: (216)579-0212

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.

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Email: skoston@jonesday.com

Correspondent Name: JONES DAY

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Address Line 2: NORTH POINT

Address Line 4: CLEVELAND, OHIO 44114

ATTORNEY DOCKET NUMBER:	406672-625079
NAME OF SUBMITTER:	MATTHEW W. JOHNSON
SIGNATURE:	/Matthew W. Johnson/
DATE SIGNED:	12/09/2015

Total Attachments: 2

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PATENT 503602648 REEL: 037243 FRAME: 0307

ASSIGNMENT

WHEREAS, one or more inventions have been made by the undersigned in

Systems and Methods for Parallel Transient Analysis and Simulation

and are the subject of a non-provisional patent application filed in the United States Patent and Trademark Office on June 17, 2015, under Application Serial No. 14/742,265, which application is identified as Jones Day Docket No. 406672-625079.

WHEREAS, SAS IP, Inc., a corporation of Wyoming, having a principal place of business at 1019 E. Lincolnway, Cheyenne, Wyoming 82001, hereinafter referred to as "assignee", is desirous of acquiring all right, title, and interest throughout the world in, to, and under said inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Jones Day the power to insert on this assignment 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.

IN WITNESS WHEREOF, this Assignment has been executed below by the undersigned:

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ERISAN RASEKII	19,05,2015 Date
Residing and having a Post Office Address:	160 Cambridge Park Dr, Apt 538 Cambridge, MA 02140
STATE OF <u>MASSACUUSET TS</u> COUNTY OF <u>MUDDIASEX</u>	} } ss. }
The above name EHSAN R day of <u>Decarres</u> , 201	ASEKH, known to me, appeared before me this 3.4.4. 5 and acknowledged that the foregoing instrument was r the uses and purposes therein set forth.
(Notarial Seal)	Notary Public
BRIAN A. BRETON Normy Pickic, Commonwealth of Mescachusetts My Commission Express August 10, 2021	

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RECORDED: 12/09/2015