

## 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>
Hudong Chen	02/19/2019
Raoyang Zhang	02/19/2019
Pradeep Gopalakrishnan	02/19/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DASSAULT SYSTEMES SIMULIA CORP.
<b>Street Address:</b>	1301 ATWOOD AVENUE
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<b>City:</b>	JOHNSTON
<b>State/Country:</b>	RHODE ISLAND
<b>Postal Code:</b>	02919
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16236799
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(877)769-7945
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<b>ATTORNEY DOCKET NUMBER:</b>	06283-0046001
<b>NAME OF SUBMITTER:</b>	MARIE G. CALLINA
<b>SIGNATURE:</b>	/Marie G. Callina/
<b>DATE SIGNED:</b>	02/22/2019
<b>Total Attachments: 4</b>	
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### ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, HUDONG CHEN, RAOYANG ZHANG, and PRADEEP GOPALAKRISHNAN, each individually assign to DASSAULT SYSTEMES SIMULIA CORP., a corporation formed under the laws of Rhode Island and having a principal place of business at 1301 Atwood Avenue, Suite 101, Johnston, RI 02919, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "COMPUTER SIMULATION OF PHYSICAL FLUIDS ON A MESH IN AN ARBITRARY COORDINATE SYSTEM," and was filed in the United States Patent and Trademark Office on December 31, 2018, as Application Serial No. 16/236,799 (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Andy Chen  
Hudong Chen

Date: 2/19/2019

Witnessed by:

Signature: Cathy Barthel

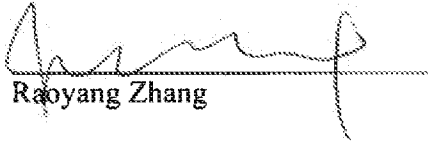
Date: 02/19/2019

Print Name: Cathy Barthel

Signature: Nagendra

Date: 2/19/2019

Print Name: NAGENDRA KRISHNAMURTHY

  
Raoyang Zhang

Date: 2/19/2019

Witnessed by:

Signature: Casey Barrett

Date: 2/19/2019

Print Name: Casey Barrett

Signature: Nagendra Krishnamurthy

Date: 2/19/2019

Print Name: NAGENDRA KRISHNAMURTHY

GIPert  
Pradeep Gopalakrishnan

Date: 02/19/2019

Witnessed by:

Signature: Casey Bartlett

Date: 02/19/2019

Print Name: Casey Bartlett

Signature: Nagendra

Date: 2/19/2019

Print Name: NAGENDRA KRISHNAMURTHY

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