

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
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	Name	Execution Date
	Luca D'Alessio	03/17/2023
RECEIVING PARTY DATA		
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	16686514
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NAME OF SUBMITTER:	MARIE G. CALLINA	
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DATE SIGNED:	03/17/2023	
Total Attachments: 5		
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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, NAGENDRA KRISHNAMURTHY, LUCA D'ALESSIO, RAOYANG ZHANG, and HUDONG CHEN, each individually assigns 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 IRREGULAR SPATIAL GRIDS STABILIZED FOR EXPLICIT NUMERICAL DIFFUSION PROBLEMS," and was filed in the United States Patent and Trademark Office on November 18, 2019, as application 16/686,514 (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.

Nagendra Krishnamurthy

Date: _____

Witnessed by:

Signature: _____ Date: _____

Print Name: _____

Signature: _____ Date: _____

Print Name: _____

/Luca D'Alessio/
Luca D'Alessio

Date: 3/17/23

Witnessed by:

Signature: /Michelle Kearns/

Date: 3/17/23

Print Name: Michelle Kearns

Signature: /Leslie Long/

Date: 3/17/23

Print Name: Leslie Long

Raoyang Zhang

Date: _____

Witnessed by:

Signature: _____

Date: _____

Print Name: _____

Signature: _____

Date: _____

Print Name: _____

Hudong Chen

Date: _____

Witnessed by:

Signature: _____

Date: _____

Print Name: _____

Signature: _____

Date: _____

Print Name: _____

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