

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4383614

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	RELEASE OF SECURITY INTEREST	
<b>SEQUENCE:</b>	1	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
JEFFERIES FINANCE LLC		04/25/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	MSC.SOFTWARE CORPORATION	
<b>Street Address:</b>	4675 MACARTHUR COURT	
<b>City:</b>	NEWPORT BEACH	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	92660	
<b>PROPERTY NUMBERS Total: 16</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	13335849	
Application Number:	13339323	
Application Number:	13339335	
Application Number:	13345633	
Application Number:	13353225	
Application Number:	13466047	
Application Number:	13479211	
Application Number:	13479220	
Application Number:	13625807	
Application Number:	13673905	
Application Number:	13678469	
Application Number:	13686867	
Application Number:	13864147	
Application Number:	13875503	
Application Number:	13887249	
Application Number:	14135526	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(412)394-7959	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>		
<b>PATENT</b>		

*using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** 4123947240  
**Email:** ragraham@jonesday.com, erosenfelder@jonesday.com  
**Correspondent Name:** RICHARD A. GRAHAM  
**Address Line 1:** 500 GRANT ST SUITE 4500  
**Address Line 4:** PITTSBURGH, PENNSYLVANIA 15219

<b>ATTORNEY DOCKET NUMBER:</b>	175274-635086
<b>NAME OF SUBMITTER:</b>	RICHARD A. GRAHAM
<b>SIGNATURE:</b>	/Richard A. Graham/
<b>DATE SIGNED:</b>	04/25/2017
	This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 3**

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source=Security Release - Patent - Second Lien (Execution Version)#page3.tif

**RELEASE OF PATENT SECURITY AGREEMENT (SECOND LIEN)**

THIS RELEASE OF PATENT SECURITY AGREEMENT is made and entered into effective as of April 25, 2017 by JEFFERIES FINANCE LLC, as collateral agent under the Second Lien Credit Agreement dated as of May 29, 2014 (in such capacity, the “**Collateral Agent**”) in favor of MSC.SOFTWARE CORPORATION (the “**Grantor**”).

WHEREAS, by the Second Lien Patent Security Agreement dated as of May 29, 2014 (the “**Second Lien Patent Security Agreement**”), originally recorded in the patent assignment database of the United States Patent and Trademark Office (“**USPTO**”) on May 29, 2014 at Reel/Frame 033056/0364, the Grantor pledged and granted the Collateral Agent, for the benefit of the Secured Parties (as defined in the Security Agreement referred to in the Second Lien Patent Security Agreement), a lien on and security interest in and to all of the Grantor’s right, title, and interest in, to and under all Patents, as defined in the Second Lien Patent Security Agreement, of the Grantor, including those identified in Schedule A hereto and all proceeds of any and all of the foregoing (the “**Pledged Collateral**”); and

WHEREAS, the Collateral Agent has agreed to release and discharge the lien of the Second Lien Patent Security Agreement, and the parties wish to record with the USPTO the release of the security interests and liens against the Pledged Collateral.

NOW, THEREFORE, for good and valuable consideration, the Collateral Agent does hereby release and discharge (in each case without recourse and without representation or warranty of any kind or nature, express or implied) the security interests, liens, and all other rights, if any, the Collateral Agent may have in the Pledged Collateral granted to it by the Grantor pursuant to the Second Lien Patent Security Agreement.

[SIGNATURE APPEARS ON FOLLOWING PAGE]

IN WITNESS WHEREOF, the undersigned has executed this Release of Patent Security Agreement  
as of the date written below.

JEFFERIES FINANCE LLC, as  
Collateral Agent

Dated: April 25, 2017

By:   
Name: J Paul McDonnell  
Title: Managing Director

{Signature Page to Patent Security Release - Second Lien}

**PATENT**  
**REEL: 042138 FRAME: 0254**

# SCHEDULE A

Patent	Owner	Application No.	Filing Date
Interactive Vertex Manipulation System and Methods for Geometry Repair	MSC Software Corporation	13/335849	12/22/2011
Automatic Variable Fidelity Simulation	MSC Software Corporation	13/339323	12/28/2011
Context Sensitive Simulation Environment	MSC Software Corporation	13/339335	12/28/2011
Simulation Based Geometric Design Systems and Methods	MSC Software Corporation	13/345633	1/6/2012
Interactive Simulation and Solver for Mechanical, Fluid, and Electro-Mechanical Systems	MSC Software Corporation	13/353225	1/18/2012
Directed Design Updates in Engineering Methods for Systems	MSC Software Corporation	13/466,047	5/7/2012
Feature Recognition In Engineering Methods And Systems	MSC Software Corporation	13/479,211	5/23/2012
Replacement Part Suggestion Methods For Systems	MSC Software Corporation	13/479,220	5/23/2012
Systems and Methods for Simulating Contact Between Physical Objects	MSC Software Corporation	13/625,807	9/24/2012
Interactive edge manipulation systems and methods	MSC Software Corporation	13/673,905	9/12/2011
Mesh component design for finite element methods and systems	MSC Software Corporation	13/678,469	11/15/2012
Surface mesh generation systems and methods	MSC Software Corporation	13/686,867	11/27/12
Mesh-based shape optimization systems and methods	MSC Software Corporation	13/864,147	4/16/13
Mapped meshing method and mapped seeding method	MSC Software Corporation	13/875,503	5/2/13
Shrink-wrap generation systems and methods	MSC Software Corporation	13/887,249	5/3/13
System and method of virtual determination design allowables for composite materials	MSC Software Corporation	14/135,526	12/19/13

[SCHEDULE A TO THE RELEASE OF PATENT SECURITY AGREEMENT (SECOND LIEN)]

NAI-1502657794v1

RECORDED: 04/25/2017

**PATENT**  
REEL: 042138 FRAME: 0255