

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5539057

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	VULCAN INC.	05/23/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	VULCAN TECHNOLOGIES LLC	
<b>Street Address:</b>	505 FIFTH AVENUE SOUTH	
<b>Internal Address:</b>	SUITE 900	
<b>City:</b>	SEATTLE	
<b>State/Country:</b>	WASHINGTON	
<b>Postal Code:</b>	98104	
<b>PROPERTY NUMBERS Total: 5</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	62526305	
<b>Application Number:</b>	15622009	
<b>Application Number:</b>	15853295	
<b>Application Number:</b>	15853440	
<b>Application Number:</b>	15853464	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<i>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.</i>		
<b>Phone:</b>	206.381.3300	
<b>Email:</b>	dolder@lowegrahamjones.com	
<b>Correspondent Name:</b>	ELLEN M. BIERMAN	
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<b>ATTORNEY DOCKET NUMBER:</b>	VULN-1-1004,2002,2004-6	
<b>NAME OF SUBMITTER:</b>	ELLEN M. BIERMAN	
<b>SIGNATURE:</b>	/Ellen M. Bierman/	
<b>DATE SIGNED:</b>	05/23/2019	
<b>Total Attachments: 3</b>		

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## ASSIGNMENT

WHEREAS, Vulcan Inc., a Washington corporation, having a principal address at 505 Fifth Avenue South, Suite 900, Seattle, Washington 98104 (hereinafter referred to as ASSIGNOR), is the current owner of the inventions described and claimed in the patent applications/patents listed in the attached Schedule A; and

WHEREAS, Vulcan Technologies LLC, a Delaware limited liability company, having a principal address at 505 Fifth Avenue South, Suite 900, Seattle, Washington 98104 (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in and to any letters patent that have been or may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFOR, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE the entire right, title and interest in and to said inventions, said applications and any and all letters patent which have been or may be granted for said inventions in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all non-provisional applications, divisions, reissues and continuations, continuations-in-part thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from corresponding United States application(s) to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said inventions, applications and all letters patent on said inventions to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR had this assignment, transfer and sale not been made. ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue and assign all letters patent on said invention to ASSIGNEE.

ASSIGNOR does hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to: make and prosecute any and all applications on the inventions, maintain and enforce any and all patents on the inventions, and confirm in ASSIGNEE legal title to the inventions and all applications and patents on the inventions in the United States and foreign countries, all without charge to ASSIGNEE but at no

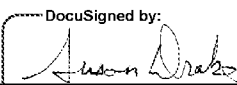


expense to ASSIGNOR. In the event that ASSIGNEE is unable for any reason, after reasonable effort, to secure my signature on any document needed in connection with the actions specified in this paragraph, or to otherwise perfect in ASSIGNEE the entire right, title, and interest in and to the inventions, ASSIGNOR hereby irrevocably designates and appoints the ASSIGNEE and its duly authorized officers and agents as my agent and attorney in fact, to act for and in my behalf to execute, verify and file any such documents and to do all other lawfully permitted acts to further the purposes of this assignment with the same legal force and effect as if executed by ASSIGNOR. ASSIGNOR hereby waives and quitclaims to the ASSIGNEE any and all claims, of any nature whatsoever, which ASSIGNOR now or may hereafter have for infringement of any proprietary rights assigned to the ASSIGNEE, including the right to sue and collect damages from such infringement.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law, and the remainder of this assignment shall remain in full force and effect.

EXECUTED at Federal Way (city), Washington (state), on  
5/23/2019 (date).

VULCAN INC.

By: /  /  
DocuSigned by:  
BA4B02D3F3C5458...  
 Susan Drake  
 Vice President

**SCHEDULE A**

<b><u>U.S. Patent Application No.</u></b>	<b><u>Filing Date</u></b>	<b><u>Title</u></b>	<b><u>Docket Nos.</u></b>
62/526,305	June 28, 2017	AUGMENTED REALITY AND OTHER ENHANCEMENTS IN A VIRTUAL REALITY ENVIRONMENT	VUL-TEC-P- 0003-US00 (VULN-1-1004)
15/622,009	June 13, 2017	LARGE VOLUME VIDEO DATA TRANSFER OVER LIMITED CAPACITY BUS	VUL-TEC-P- 1000-US01 (VULN-1-2002)
15/853,295	December 22, 2017	AD-HOC DYNAMIC CAPTURE OF AN IMMERSIVE VIRTUAL REALITY EXPERIENCE	VUL-TEC-P- 0003-US01 (VULN-1-2004)
15/853,440	December 22, 2017	AUGMENTED REALITY IN A VIRTUAL REALITY ENVIRONMENT	VUL-TEC-P- 0003-US02 (VULN-1-2005)
15/853,464	December 22, 2017	HAPTIC INTERACTIONS AND ACTUATORS IN AN IMMERSIVE VR EXPERIENCE	VUL-TEC-P- 0003-US03 (VULN-1-2006)

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