

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

Assignment ID: PAT1119275

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Confirmatory Assignment	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	Maarten Hoeben	03/22/2024
<b>RECEIVING PARTY DATA</b>		
<b>Company Name:</b>	ActiveVideo Networks, LLC	
<b>Street Address:</b>	333 W. San Carlos Street, Suite 400	
<b>City:</b>	San Jose	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	95110	
<b>PROPERTY NUMBERS Total: 26</b>		
<b>Property Type</b>	<b>Number</b>	
Application Number:	16457311	
Application Number:	15851589	
Application Number:	62438946	
PCT Number:	US1768293	
Application Number:	16721125	
Application Number:	17403821	
Application Number:	62526954	
Application Number:	17864333	
Application Number:	16890957	
Application Number:	62868310	
PCT Number:	US1840118	
PCT Number:	US2036263	
Application Number:	17544822	
Application Number:	18228590	
Application Number:	63122425	
Application Number:	17544854	
Application Number:	63122441	
PCT Number:	US2161896	
PCT Number:	US2161958	
Application Number:	17711955	

PATENT

Property Type	Number
Application Number:	63169513
Application Number:	63346780
PCT Number:	US2222272
PCT Number:	US2323193
PCT Number:	US2321730
Application Number:	63341156

**CORRESPONDENCE DATA**

**Fax Number:**

*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.*

**Phone:** 6508434000

**Email:** papatentdocket@morganlewis.com,elena.spackey@morganlewis.com

**Correspondent Name:** David P. Bernstein

**Address Line 1:** 1400 Page Mill Road

**Address Line 4:** Palo Alto, CALIFORNIA 94304

<b>ATTORNEY DOCKET NUMBER:</b>	100284-5000
<b>NAME OF SUBMITTER:</b>	Elena Spackey
<b>SIGNATURE:</b>	Elena Spackey
<b>DATE SIGNED:</b>	03/26/2024

**Total Attachments: 9**

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**CONFIRMATORY ASSIGNMENT**

WHEREAS, I, **Maarten Hoeben**, residing in Acquapendente, Italy, ASSIGNOR, am an inventor of certain inventions, described in the patents and patent applications listed in Schedule A.

WHEREAS, **ActiveVideo Networks, LLC**, a limited liability company, ASSIGNEE, having a place of business at 333 W. San Carlos Street, Suite 400, San Jose, California 95110, is desirous of obtaining my entire right, title and interest in, to and under the said invention corresponding to the patents and patent applications listed in Schedule A,

NOW, THEREFORE, let it be known that for and in consideration of the sum of One Dollar (\$1.00) to me paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, my entire right, title and interest in, to and under the said inventions, and the said United States application and all divisions, renewals and continuations thereof, and any substitute applications therefore, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; the said United States provisional patent application(s), if any, on which the said United States application claims priority; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application and said United States provisional patent application(s), if any, under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my respective signature.

Date March 22, 2024

DocuSigned by:  
  
37FD308E45DC4C5  
**Maarten Hoeben**

L.S.

**SCHEDULE A**

<b>Serial No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Attorney Ref. No.</b>	<b>Client Ref. No.</b>
16/391,073	22-Apr-2019	REMOTELY MANAGED TRUSTED EXECUTION ENVIRONMENT FOR DIGITAL RIGHTS MANAGEMENT IN A DISTRIBUTED NETWORK WITH THIN CLIENTS	100284-5052-US01	AVN016
16/995,643	17-Aug-2020	REMOTELY MANAGED TRUSTED EXECUTION ENVIRONMENT FOR DIGITAL-RIGHTS MANAGEMENT IN A DISTRIBUTED NETWORK WITH THIN CLIENTS	100284-5052-US02	AVN016
16818840.7	30-Jan-2018	REMOTELY MANAGED TRUSTED EXECUTION ENVIRONMENT FOR DIGITAL RIGHTS MANAGEMENT IN A DISTRIBUTED NETWORK WITH THIN CLIENTS	100284-5052-EP	AVN016
19191977.8	15-Aug-2019	REMOTELY MANAGED TRUSTED EXECUTION ENVIRONMENT FOR DIGITAL RIGHTS MANAGEMENT IN A DISTRIBUTED NETWORK WITH THIN CLIENTS	100284-5052-EP01	AVN016
PCT/US2016/040547	30-Jun-2016	REMOTELY MANAGED TRUSTED EXECUTION ENVIRONMENT FOR DIGITAL RIGHTS MANAGEMENT IN A DISTRIBUTED NETWORK WITH THIN CLIENTS	100284-5052-WO	AVN016

<b>Serial No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Attorney Ref. No.</b>	<b>Client Ref. No.</b>
62/187,140	30-Jun-2015	REMOTE TRUSTED EXECUTION ENVIRONMENT FOR DIGITAL RIGHTS MANAGEMENT IN A DISTRIBUTED NETWORK WITH THIN CLIENTS	100284-5052-PR	AVN016
15/199,503	30-Jun-2016	REMOTELY MANAGED TRUSTED EXECUTION ENVIRONMENT FOR DIGITAL RIGHTS MANAGEMENT IN A DISTRIBUTED NETWORK WITH THIN CLIENTS	100284-5052-US	AVN016
62/217,529	11-Sep-2015	SYSTEM AND METHOD FOR SECURE BRIDGING OF THIRD-PARTY DIGITAL RIGHTS MANAGEMENT TO LOCAL SECURITY MEANS IN A CABLE TELEVISION DISTRIBUTION NETWORK	100284-5053-PR	AVN017
16845261.3	10-Apr-2018	SECURE BRIDGING OF THIRD-PARTY DIGITAL RIGHTS MANAGEMENT TO LOCAL SECURITY	100284-5053-EP	AVN017
PCT/US2016 /051283	12-Sep-2016	SECURE BRIDGING OF THIRD-PARTY DIGITAL RIGHTS MANAGEMENT TO LOCAL SECURITY	100284-5053-WO	AVN017
15/261,791	09-Sep-2016	SECURE BRIDGING OF THIRD-PARTY DIGITAL RIGHTS MANAGEMENT TO LOCAL SECURITY	100284-5053-US	AVN017

<b>Serial No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Attorney Ref. No.</b>	<b>Client Ref. No.</b>
17/145,224	08-Jan-2021	SECURE BRIDGING OF THIRD-PARTY DIGITAL RIGHTS MANAGEMENT TO LOCAL SECURITY	100284-5053-US01	AVN017
62/438,946	23-Dec-2016	SYSTEMS AND METHODS FOR VIRTUAL SET-TOP SUPPORT OF AN HTML CLIENT	100284-5055-PR	AVN018
PCT/US2017/068293	22-Dec-2017	SYSTEMS AND METHODS FOR VIRTUAL SET-TOP SUPPORT OF AN HTML CLIENT	100284-5055-WO	AVN018
15/851,589	21-Dec-2017	SYSTEMS AND METHODS FOR VIRTUAL SET-TOP SUPPORT OF AN HTML CLIENT	100284-5055-US	AVN018
16/457,311	28-Jun-2019	SYSTEMS AND METHODS FOR VIRTUAL SET-TOP SUPPORT OF AN HTML CLIENT	100284-5055-US01	AVN018
62/526,954	29-Jun-2017	SYSTEMS AND METHODS OF ORCHESTRATED NETWORKED APPLICATION SERVICES	100284-5056-PR	AVN019
18822807.6	28-Nov-2019	SYSTEMS AND METHODS OF ORCHESTRATED NETWORKED APPLICATION SERVICES	100284-5056-EP	AVN019
PCT/US2018/040118	28-Jun-2018	SYSTEMS AND METHODS OF ORCHESTRATED NETWORKED APPLICATION SERVICES	100284-5056-WO	AVN019

<b>Serial No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Attorney Ref. No.</b>	<b>Client Ref. No.</b>
16/721,125	19-Dec-2019	SYSTEMS AND METHODS OF ORCHESTRATED NETWORKED APPLICATION SERVICES	100284-5056-US	AVN019
17/403,821	16-Aug-2021	SYSTEMS AND METHODS OF ORCHESTRATED NETWORKED APPLICATION SERVICES	100284-5056-US01	AVN019
62/868,310	28-Jun-2019	ORCHESTRATED CONTROL FOR DISPLAYING MEDIA	100284-5057-PR	AVN020
PCT/US2020/036263	05-Jun-2020	ORCHESTRATED CONTROL FOR DISPLAYING MEDIA	100284-5057-WO	AVN020
3,144,834	22-Dec-2021	ORCHESTRATED CONTROL FOR DISPLAYING MEDIA	100284-5057-CA	AVN020
20208005814 9.9	17-Feb-2022	ORCHESTRATED CONTROL FOR DISPLAYING MEDIA	100284-5057-CN	AVN020
20221080617 8.X	08-Jul-2022	ORCHESTRATED CONTROL FOR DISPLAYING MEDIA	100284-5057-CN01	AVN020
20831119.1	21-Dec-2021	ORCHESTRATED CONTROL FOR DISPLAYING MEDIA	100284-5057-EP	AVN020
16/890,957	02-Jun-2020	ORCHESTRATED CONTROL FOR DISPLAYING MEDIA	100284-5057-US	AVN020
17/864,333	13-Jul-2022	ORCHESTRATED CONTROL FOR DISPLAYING MEDIA	100284-5057-US01	AVN020

<b>Serial No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Attorney Ref. No.</b>	<b>Client Ref. No.</b>
63/122,425	07-Dec-2020	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5058-PR	AVN005
PCT/US2021/061896	03-Dec-2021	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5058-WO	AVN005
3,200,365	26-May-2023	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5058-CA	AVN005
2021800825750	07-Jun-2023	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5058-CN	AVN005
21904159.7	02-Jun-2023	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5058-EP	AVN005
17/544,822	07-Dec-2021	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5058-US	AVN005
18/228,590	31-Jul-2023	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5058-US01	AVN005



<b>Serial No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Attorney Ref. No.</b>	<b>Client Ref. No.</b>
63/122,441	07-Dec-2020	SYSTEMS AND METHODS FOR VIRTUAL GPU-CPU MEMORY ORCHESTRATION	100284-5059-PR	AVN006
PCT/US2021/061958	06-Dec-2021	SYSTEMS AND METHODS FOR VIRTUAL GPU-CPU MEMORY ORCHESTRATION	100284-5059-WO	AVN006
3,200,330	26-May-2023	SYSTEMS AND METHODS FOR VIRTUAL GPU-CPU MEMORY ORCHESTRATION	100284-5059-CA	AVN006
2021800822540	06-Jun-2023	SYSTEMS AND METHODS FOR VIRTUAL GPU-CPU MEMORY ORCHESTRATION	100284-5059-CN	AVN006
21904174.6	02-Jun-2023	SYSTEMS AND METHODS FOR VIRTUAL GPU-CPU MEMORY ORCHESTRATION	100284-5059-EP	AVN006
17/544,854	07-Dec-2021	SYSTEMS AND METHODS FOR VIRTUAL GPU-CPU MEMORY ORCHESTRATION	100284-5059-US	AVN006
63/152,277	22-Feb-2021	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5060-PR	AVN007
PCT/US2022/016720	17-Feb-2022	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5060-WO	AVN007

<b>Serial No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Attorney Ref. No.</b>	<b>Client Ref. No.</b>
18/446,055	08-Aug-2023	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES	100284-5060-US	AVN007
63/169,513	01-Apr-2021	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES FOR VIDEO-CONFERENCEING APPLICATIONS	100284-5061-PR	AVN008
PCT/US2022 /022272	29-Mar-2022	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES FOR VIDEO-CONFERENCEING APPLICATIONS	100284-5061-WO	AVN008
17/711,955	01-Apr-2022	SYSTEMS AND METHODS OF ALTERNATIVE NETWORKED APPLICATION SERVICES FOR VIDEO-CONFERENCEING APPLICATIONS	100284-5061-US	AVN008
63/341,156	12-May-2022	SYSTEMS AND METHODS OF IMAGE REMOTING USING A SHARED IMAGE CACHE	100284-5064-PR	AVN011
PCT/US2023 /021730	10-May-2023	SYSTEMS AND METHODS OF IMAGE REMOTING USING A SHARED IMAGE CACHE	100284-5064-WO	AVN011

<b>Serial No.</b>	<b>Filing Date</b>	<b>Title</b>	<b>Attorney Ref. No.</b>	<b>Client Ref. No.</b>
PCT/US2023 /023193	23-May-2023	SYSTEMS AND METHODS FOR ALLOCATING GPU MEMORY	100284-5062-WO	AVN009
63/346,780	27-May-2022	SYSTEMS AND METHODS FOR ALLOCATING GPU MEMORY	100284-5062-PR	AVN009
18/577,996	09-Jan-2024	SYSTEMS AND METHODS FOR MODIFYING MANIFESTS FOR APPLICATIONS	100284-5063-US	AVN010
PCT/US2022 /037973	22-Jul-2022	SYSTEMS AND METHODS FOR MODIFYING MANIFESTS FOR APPLICATIONS	100284-5063-WO	AVN010
63/225,394	23-Jul-2021	SYSTEMS AND METHODS FOR MODIFYING MANIFESTS FOR APPLICATIONS	100284-5063-PR	AVN010