

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT5436234

|   |                                   |
|---|-----------------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                    |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                        |
| <b>CONVEYING PARTY DATA</b>   |                                   |
| <b>Name</b>   | <b>Execution Date</b>             |
| SIMON HOFVERBERG  | 01/10/2019                        |
| FREDRIK SCHMIDT   | 01/09/2019                        |
| JOHAN OSKARSSON   | 01/08/2019                        |
| ARIEL MARCUS  | 01/23/2019                        |
| CHRIS DOYLE   | 01/23/2019                        |
| JOSEPH TAM  | 01/23/2019                        |
| MINCHULL KIM  | 05/31/2017                        |
| <b>RECEIVING PARTY DATA</b>   |                                   |
| <b>Name:</b>  | SPOTIFY AB                        |
| <b>Street Address:</b>  | BIRGER JARLSGATAN 61, 10TH FLOOR  |
| <b>City:</b>  | STOCKHOLM                         |
| <b>State/Country:</b>   | SWEDEN                            |
| <b>Postal Code:</b>   | 113 56                            |
| <b>PROPERTY NUMBERS Total: 2</b>  |                                   |
| <b>Property Type</b>  | <b>Number</b>                     |
| <b>Application Number:</b>  | 62441257                          |
| <b>Application Number:</b>  | 15721138                          |
| <b>CORRESPONDENCE DATA</b>  |                                   |
| <b>Fax Number:</b>  | (612)332-9081                     |
| <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>   | 612-336-5300                      |
| <b>Email:</b>   | kwebber@merchantgould.com         |
| <b>Correspondent Name:</b>  | BENJAMIN A. TRAMM                 |
| <b>Address Line 1:</b>  | P.O. BOX 2903                     |
| <b>Address Line 4:</b>  | MINNEAPOLIS, MINNESOTA 55402-0903 |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 04777.0034USU1                    |
| <b>NAME OF SUBMITTER:</b>   | BENJAMIN A. TRAMM                 |
| <b>SIGNATURE:</b>   | /Benjamin A. Tramm/               |

|  |            |
|--|------------|
| <b>DATE SIGNED:</b>  | 03/22/2019 |
| <b>Total Attachments: 9</b><br>source=2019-03-22--Assignment--04777-0034USU1#page1.tif<br>source=2019-03-22--Assignment--04777-0034USU1#page2.tif<br>source=2019-03-22--Assignment--04777-0034USU1#page3.tif<br>source=2019-03-22--Assignment--04777-0034USU1#page4.tif<br>source=2019-03-22--Assignment--04777-0034USU1#page5.tif<br>source=2019-03-22--Assignment--04777-0034USU1#page6.tif<br>source=2019-03-22--Assignment--04777-0034USU1#page7.tif<br>source=2019-03-22--Assignment--04777-0034USU1#page8.tif<br>source=2019-03-22--Assignment--04777-0034USU1#page9.tif |            |

**INSTRUCTIONS**

Inventor(s) Name,  
Address, Citizenship

Check the appropriate box and  
fill in the requested information:

- select the first check box if the application is a national stage of a PCT application and provide the international application number and filing date before sending the assignment for execution;
- select the second check box if the application will be filed without the executed assignment - once the assignment is executed and the serial number and filing date of the U.S. application are known, provide this information before recordation;
- select the third check box if the application was previously filed and provide the serial number and filing date before sending the assignment for execution; or
- select the fourth check box if the application will

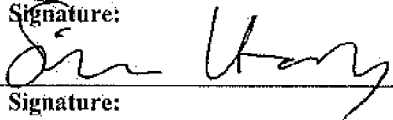
**ASSIGNMENT TO CORPORATION**



WHEREAS,

1. Simon Hofverberg residing at Gothemburg, Sweden and having a mailing address of c/o Spotify AB, Birger Jarlsgatan 61, 10th Floor, Stockholm 113 56, Sweden;
2. Fredrik Schmidt residing at Stockholm, Sweden and having a mailing address of c/o Spotify AB, Birger Jarlsgatan 61, 10th Floor, Stockholm 113 56, Sweden;
3. Johan Oskarsson residing at Stockholm, Sweden and having a mailing address of c/o Spotify AB, Birger Jarlsgatan 61, 10th Floor, Stockholm 113 56, Sweden;
4. Ariel Marcus residing at New York, NY and having a mailing address of c/o Spotify AB, Birger Jarlsgatan 61, 10th Floor, Stockholm 113 56, Sweden;
5. Chris Doyle residing at New York, NY and having a mailing address of c/o Spotify AB, Birger Jarlsgatan 61, 10th Floor, Stockholm 113 56, Sweden;
6. Joseph Tam residing at San Francisco, California and having a mailing address of c/o Spotify AB, Birger Jarlsgatan 61, 10th Floor, Stockholm 113 56, Sweden;
7. Minchull Kim residing at New York, NY and having a mailing address of c/o Spotify AB, Birger Jarlsgatan 61, 10th Floor, Stockholm 113 56, Sweden;

(herein called "THE UNDERSIGNED") have made an invention and have executed an application for Letters Patent of the United States entitled **MEDIA CONTENT PLAYBACK WITH STATE PREDICTION AND CACHING** and which:

- ☐ is the national stage application of International Application No. \_\_\_\_\_ filed on \_\_\_\_\_;
- ☒ claims priority to U.S. Provisional Patent Application No. **62/441,257** filed on **December 31, 2016**;
- ☐ will be filed without this executed PATENT ASSIGNMENT. THE UNDERSIGNED hereby authorizes, and requests, ASSIGNEE'S legal representatives, of Merchant & Gould PC, who are associated with customer number 23552, to insert here in parenthesis (U.S. Serial No. \_\_\_\_\_, filed \_\_\_\_\_) this application's U.S. Serial Number and filing date, when known;
- ☒ was filed on **September 29, 2017** and was given U.S. Serial No. **15/721,138**; or
- ☐ is filed concurrently herewith;

|  |   |                           |
|--|---|---------------------------|
| be filed with the application.   |   |                           |
| Name of Corporation  | AND <b>Spotify AB</b> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>Sweden</u> , and having an office and place of business at <u>Birger Jarlsgatan 61, 10th Floor, Stockholm 113 56, Sweden</u>   |                           |
| State or Country of Incorporation and Address  | <p>wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;</p> <p>NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application and all the right(s) to claim priority thereto, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in all countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of all countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.</p> <p>THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.</p> <p>THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.</p> <p>IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.</p> |                           |
| Each inventor must sign & date<br><i>Note: No legalization or other witness required</i> |   |                           |
| Name: <u>Simon Hofverberg</u>  | Signature:   | Date: <u>Jan 10, 2019</u> |
| Name: <u>Fredrik Schmidt</u>   | Signature:  | Date:                     |
| Name: <u>Johan Oskarsson</u>   | Signature:  | Date:                     |

|                           |   |                 |
|---------------------------|---|-----------------|
| Name: <u>Ariel Marcus</u> | Signature:  | Date: 1/23/2019 |
| Name: <u>Chris Doyle</u>  | Signature:   | Date: 1/23/2019 |
| Name: <u>Joseph Tam</u>   | Signature:  | Date:           |
| Name: <u>Minchull Kim</u> | Signature:  | Date:           |

Read and approved this \_\_\_\_ day of \_\_\_\_\_, 20\_\_ by:

**Spotify AB**  
Assignee

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**INSTRUCTIONS**

Inventor(s) Name,  
Address, Citizenship

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**ASSIGNMENT TO CORPORATION**

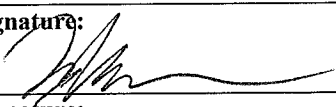
WHEREAS,

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- ☐ is filed concurrently herewith;

|   |   |                            |
|---|---|----------------------------|
| be filed with the application.  |   |                            |
| Name of Corporation   | AND <u>Spotify AB</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>Sweden</u> , and having an office and place of business at <u>Birger Jarlsgratan 61, 10th Floor, Stockholm 113 56, Sweden</u>  |                            |
| State or Country of Incorporation and Address   | <p>wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;</p> <p>NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application and all the right(s) to claim priority thereto, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in all countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of all countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.</p> <p>THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.</p> <p>THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.</p> <p>IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.</p> |                            |
| <b>Each inventor must sign &amp; date</b><br><i>Note: No legalization or other witness required</i> |   |                            |
| Name: <u>Simon Hofverberg</u>   | Signature:   | Date:                      |
| Name: <u>Fredrik Schmidt</u>  | Signature:   | Date:<br><u>09/01/2019</u> |
| Name: <u>Johan Oskarsson</u>  | Signature:  | Date:<br><u>6</u>          |

|                           |  |                        |
|---------------------------|--|------------------------|
| Name: <u>Ariel Marcus</u> | Signature:   | Date:                  |
| Name: <u>Chris Doyle</u>  | Signature:   | Date:                  |
| Name: <u>Joseph Tam</u>   | Signature:  | Date: <u>1/23/2019</u> |
| Name: <u>Minchull Kim</u> | Signature:   | Date:                  |

Read and approved this 23 day of January, 2019 by:

Spotify AB  
Assignee

Signature: 

Name: Joseph Tam

Title: \_\_\_\_\_



**INSTRUCTIONS**

Inventor(s) Name,  
Address, Citizenship

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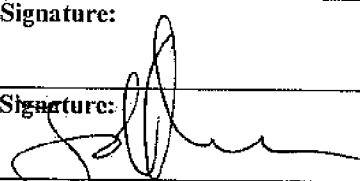
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|   |   |                              |
|---|---|------------------------------|
| <p>be filed with the application.</p> <p>Name of Corporation</p> <p>State or Country of Incorporation and Address</p> <p>Each inventor must sign &amp; date<br/> <i>Note: No legalization or other witness required</i></p> | <p>AND <u>Spotify AB</u> (herein called "ASSIGNEE"), a corporation organized under the laws of <u>Sweden</u>, and having an office and place of business at <u>Birger Jarlskatan 61, 10th Floor, Stockholm 113 56, Sweden</u></p> <p>wishes to acquire the entire right, title and interest in and to said invention and patent application and any Letters Patent to be obtained therefor;</p> <p>NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, THE UNDERSIGNED hereby sell, assign and transfer to the ASSIGNEE, its successors and assigns, the entire right, title and interest for all countries in and to the invention disclosed in the aforesaid application and all the right(s) to claim priority thereto, and in and to the said application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in all countries for Letters Patent on the said invention including as assignment of all rights under the provisions of the International Convention, and all Letters Patent of all countries which may be granted therefrom; and THE UNDERSIGNED hereby authorize and request the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to the ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.</p> <p>THE UNDERSIGNED hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.</p> <p>THE UNDERSIGNED represent and agree with said ASSIGNEE its successors and assigns, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.</p> <p>IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.</p> |                              |
| <p>Name: <u>Simon Hofverberg</u></p>  | <p>Signature:</p>   | <p>Date:</p>                 |
| <p>Name: <u>Fredrik Schmidt</u></p>   | <p>Signature:</p>   | <p>Date:</p>                 |
| <p>Name: <u>Johan Oskarsson</u></p>   | <p>Signature:</p>    | <p>Date:</p> <p>20190108</p> |

|                              |  |                 |
|------------------------------|--|-----------------|
| Name: <u>Johan Oskarsson</u> | Signature:   | Date:           |
| Name: <u>Ariel Marcus</u>    | Signature:   | Date:           |
| Name: <u>Chris Doyle</u>     | Signature:   | Date:           |
| Name: <u>Joe Tam</u>         | Signature:   | Date:           |
| Name: <u>Minchull Kim</u>    | Signature:  | Date: 5/31/2017 |

Read and approved this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ by:

**Spotify AB**  
Assignee

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_