

## PATENT ASSIGNMENT COVER SHEET

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|                                     |                                |                       |
|-------------------------------------|--------------------------------|-----------------------|
| <b>SUBMISSION TYPE:</b>             | NEW ASSIGNMENT                 |                       |
| <b>NATURE OF CONVEYANCE:</b>        | SECURITY INTEREST              |                       |
| <b>CONVEYING PARTY DATA</b>         |                                |                       |
| <b>Name</b>                         |                                | <b>Execution Date</b> |
| BLACKBIRD TECHNOLOGY HOLDINGS, INC. |                                | 10/28/2019            |
| <b>RECEIVING PARTY DATA</b>         |                                |                       |
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| <b>State/Country:</b>               | ILLINOIS                       |                       |
| <b>Postal Code:</b>                 | 60661                          |                       |
| <b>PROPERTY NUMBERS Total: 132</b>  |                                |                       |
| <b>Property Type</b>                | <b>Number</b>                  |                       |
| Patent Number:                      | 9497715                        |                       |
| Patent Number:                      | 9425847                        |                       |
| Patent Number:                      | 9414342                        |                       |
| Patent Number:                      | 9379808                        |                       |
| Patent Number:                      | 9357425                        |                       |
| Patent Number:                      | 9325634                        |                       |
| Patent Number:                      | 9191340                        |                       |
| Patent Number:                      | 9166894                        |                       |
| Patent Number:                      | 9154392                        |                       |
| Patent Number:                      | 9104548                        |                       |
| Patent Number:                      | 9042353                        |                       |
| Patent Number:                      | 8976691                        |                       |
| Patent Number:                      | 8929961                        |                       |
| Patent Number:                      | 8909865                        |                       |
| Patent Number:                      | 8885586                        |                       |
| Patent Number:                      | 8867370                        |                       |
| Patent Number:                      | 8774096                        |                       |
| Patent Number:                      | 8718551                        |                       |
| Patent Number:                      | 8622312                        |                       |
| Application Number:                 | 13270959                       |                       |

PATENT

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 13289050 |
| Application Number: | 13289054 |
| Application Number: | 13354615 |
| Application Number: | 13396739 |
| Application Number: | 13408440 |
| Application Number: | 14071379 |
| Application Number: | 14564943 |
| Application Number: | 14667394 |
| Application Number: | 14819891 |
| Application Number: | 14822155 |
| Application Number: | 14870258 |
| Application Number: | 14874808 |
| Application Number: | 14886151 |
| Application Number: | 14921088 |
| Application Number: | 14943661 |
| Application Number: | 14997001 |
| Application Number: | 15002427 |
| Application Number: | 15009335 |
| Application Number: | 15012888 |
| Application Number: | 15016949 |
| Application Number: | 15075401 |
| Application Number: | 15157445 |
| Application Number: | 15162786 |
| Application Number: | 15162855 |
| Application Number: | 15166620 |
| Application Number: | 15173790 |
| Application Number: | 15193766 |
| Application Number: | 15200265 |
| Application Number: | 15212712 |
| Application Number: | 15231098 |
| Application Number: | 15242932 |
| Application Number: | 15350517 |
| Application Number: | 15399251 |
| Application Number: | 15400249 |
| Application Number: | 15400270 |
| Application Number: | 15411041 |
| Application Number: | 15446511 |
| Application Number: | 15475495 |

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 15630440 |
| Application Number: | 15653937 |
| Application Number: | 15679798 |
| Application Number: | 15680478 |
| Application Number: | 15680660 |
| Application Number: | 15691146 |
| Application Number: | 15782050 |
| Application Number: | 15809176 |
| Application Number: | 15809188 |
| Application Number: | 15880833 |
| Application Number: | 15906216 |
| Application Number: | 15928495 |
| Application Number: | 15945949 |
| Application Number: | 15949823 |
| Application Number: | 15952982 |
| Application Number: | 15954977 |
| Application Number: | 15988337 |
| Application Number: | 16037405 |
| Application Number: | 16037739 |
| Application Number: | 16038430 |
| Application Number: | 16137755 |
| Application Number: | 16171993 |
| Application Number: | 16193546 |
| Application Number: | 16205994 |
| Application Number: | 16213050 |
| Application Number: | 16213080 |
| Application Number: | 16220194 |
| Application Number: | 16246957 |
| Application Number: | 16290273 |
| Application Number: | 16290301 |
| Application Number: | 16290605 |
| Application Number: | 16413442 |
| Application Number: | 16444814 |
| Application Number: | 16507898 |
| Application Number: | 16523543 |
| Application Number: | 16529169 |
| Application Number: | 16535291 |
| Application Number: | 16546960 |

| Property Type       | Number       |
|---------------------|--------------|
| Application Number: | 16551015     |
| Application Number: | 16563042     |
| Application Number: | 16658390     |
| Application Number: | 16658638     |
| Application Number: | 61404513     |
| Application Number: | 61404541     |
| Application Number: | 61404840     |
| Application Number: | 61404842     |
| Application Number: | 61456232     |
| Application Number: | 61456271     |
| Application Number: | 61456950     |
| Application Number: | 61461610     |
| Application Number: | 61461611     |
| Application Number: | 61463216     |
| Application Number: | 61463224     |
| Application Number: | 61464376     |
| Application Number: | 61572390     |
| PCT Number:         | US2011055082 |
| PCT Number:         | US2011055118 |
| PCT Number:         | US2011055929 |
| PCT Number:         | US2011055934 |
| PCT Number:         | US2011059292 |
| PCT Number:         | US2011059304 |
| PCT Number:         | US2011060950 |
| PCT Number:         | US2012022002 |
| PCT Number:         | US2012022005 |
| PCT Number:         | US2012025191 |
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| PCT Number:         | US2012027378 |
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| PCT Number:         | US2012027381 |
| PCT Number:         | US2012027382 |
| PCT Number:         | US2012027384 |
| PCT Number:         | US2012027386 |
| PCT Number:         | US2012027387 |
| PCT Number:         | US2012046894 |

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|--------------------------------|-------|

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|---------------------------|-------------------|

|                   |                     |
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| <b>SIGNATURE:</b> | /Ronald H. Spuhler/ |
|-------------------|---------------------|

|                     |            |
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| <b>DATE SIGNED:</b> | 10/28/2019 |
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**Total Attachments: 5**

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## **NOTICE OF LIEN**

McAndrews, Held & Malloy ("McAndrews") is an Intellectual Property boutique law firm located at 500 West Madison Street, Suite 3400, Chicago, Illinois 60661. In 2011, McAndrews was retained by Blackbird Technology Holdings, Inc. ("Blackbird") to prepare and prosecute patent applications on behalf of Blackbird. Over a period of years, McAndrews prepared and prosecuted well over 100 cases on behalf of Blackbird. Attached as Schedule A is a list of patent and patents applications assigned to Blackbird that were prosecuted by McAndrews.

McAndrews has not been compensated for the prosecution services it provided Blackbird. As of October 2019, McAndrews is owed \$664,506.38 (not including interest and other penalties due) for the work it completed for Blackbird. Thus, in accordance with the appropriate statutes, including but not limited to ILCS 770 ILCS 5/1 *et seq.*, McAndrews places a lien on the patent and patent applications listed in Schedule A until McAndrews has been fully compensated for these amounts due.

This document is being recorded to notify the public of these liens. A copy of this notice is being provided to all parties in the current chain of title for the cases listed in Schedule A.

It is McAndrews understanding that Blackbird is currently doing business as Haystack Technologies, Inc.

Dated: October 28, 2019

/s/ Christopher C. Winslade  
Christopher C. Winslade  
Shareholder  
McAndrews, Held & Malloy

| <b>Country</b> | <b>Application No.</b> | <b>Filing Date</b> | <b>Patent No.</b> |
|----------------|------------------------|--------------------|-------------------|
| United States  | 13/408461              | 02/29/2012         | 9497715           |
| United States  | 14/590507              | 01/06/2015         | 9425847           |
| United States  | 14/537178              | 11/10/2014         | 9414342           |
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