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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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| <b>SUBMISSION TYPE:</b>      | NEW ASSIGNMENT    |
| <b>NATURE OF CONVEYANCE:</b> | SECURITY INTEREST |

**CONVEYING PARTY DATA**

| Name                              | Execution Date |
|-----------------------------------|----------------|
| DIRTT ENVIRONMENTAL SOLUTIONS LTD | 07/19/2019     |

**RECEIVING PARTY DATA**

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|------------------------|----------------------|
| <b>Name:</b>           | ROYAL BANK OF CANADA |
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**PROPERTY NUMBERS Total: 124**

| Property Type  | Number   |
|----------------|----------|
| Patent Number: | 10301821 |
| Patent Number: | 10273743 |
| Patent Number: | 10196825 |
| Patent Number: | RE47132  |
| Patent Number: | 10058170 |
| Patent Number: | 10030384 |
| Patent Number: | RE46929  |
| Patent Number: | 9945131  |
| Patent Number: | 9943165  |
| Patent Number: | 9856644  |
| Patent Number: | 9840841  |
| Patent Number: | 9803360  |
| Patent Number: | 9803352  |
| Patent Number: | 9719251  |
| Patent Number: | 9670669  |
| Patent Number: | 9649831  |
| Patent Number: | 9619920  |
| Patent Number: | 9617743  |
| Patent Number: | 9593481  |

| Property Type  | Number  |
|----------------|---------|
| Patent Number: | 9536340 |
| Patent Number: | 9528287 |
| Patent Number: | 9471719 |
| Patent Number: | D760402 |
| Patent Number: | 9355197 |
| Patent Number: | 9347218 |
| Patent Number: | D755614 |
| Patent Number: | D754991 |
| Patent Number: | 9328542 |
| Patent Number: | 9328504 |
| Patent Number: | D753943 |
| Patent Number: | 9315997 |
| Patent Number: | 9315985 |
| Patent Number: | 9307701 |
| Patent Number: | 9270098 |
| Patent Number: | D745706 |
| Patent Number: | 9206612 |
| Patent Number: | 9194121 |
| Patent Number: | 9095990 |
| Patent Number: | D734958 |
| Patent Number: | D734872 |
| Patent Number: | 9084489 |
| Patent Number: | D732190 |
| Patent Number: | 9059576 |
| Patent Number: | 8944266 |
| Patent Number: | 8904712 |
| Patent Number: | D709043 |
| Patent Number: | 8762941 |
| Patent Number: | 8756893 |
| Patent Number: | 8747135 |
| Patent Number: | D697872 |
| Patent Number: | 8621784 |
| Patent Number: | D695690 |
| Patent Number: | 8519276 |
| Patent Number: | 8510672 |
| Patent Number: | 8500480 |
| Patent Number: | 8475188 |

| Property Type       | Number   |
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| Patent Number:      | D659648  |
| Patent Number:      | D659647  |
| Patent Number:      | 8176707  |
| Patent Number:      | 8162686  |
| Patent Number:      | 8152546  |
| Patent Number:      | 8112954  |
| Patent Number:      | 8056286  |
| Patent Number:      | 8024901  |
| Patent Number:      | 7984598  |
| Patent Number:      | 7958679  |
| Patent Number:      | 7954288  |
| Patent Number:      | D635277  |
| Patent Number:      | 7908296  |
| Patent Number:      | D628717  |
| Patent Number:      | D628716  |
| Patent Number:      | D628715  |
| Patent Number:      | D628714  |
| Patent Number:      | 7387520  |
| Patent Number:      | 7277830  |
| Patent Number:      | 7249005  |
| Application Number: | 15741375 |
| Application Number: | 15741488 |
| Application Number: | 15741487 |
| Application Number: | 15108626 |
| Application Number: | 15735084 |
| Application Number: | 15026566 |
| Application Number: | 15741177 |
| Application Number: | 14915990 |
| Application Number: | 14115299 |
| Application Number: | 14683684 |
| Patent Number:      | 9189571  |
| Application Number: | 13579257 |
| Patent Number:      | 8151527  |
| Patent Number:      | 7832154  |
| Patent Number:      | 7163410  |
| Patent Number:      | 7410373  |
| Patent Number:      | D638367  |

| Property Type       | Number   |
|---------------------|----------|
| Patent Number:      | 8751950  |
| Patent Number:      | 8762877  |
| Patent Number:      | 9519407  |
| Patent Number:      | 9245064  |
| Patent Number:      | 9245381  |
| Patent Number:      | 6338301  |
| Patent Number:      | 6669041  |
| Patent Number:      | 5744750  |
| Application Number: | 16324136 |
| Application Number: | 16469062 |
| Application Number: | 16477788 |
| Application Number: | 16348256 |
| Application Number: | 16339925 |
| Application Number: | 16316333 |
| Application Number: | 15741489 |
| Application Number: | 15741180 |
| Patent Number:      | 10117511 |
| Application Number: | 15038694 |
| Application Number: | 15518378 |
| Application Number: | 14433346 |
| Application Number: | 10289758 |
| Application Number: | 14032931 |
| Patent Number:      | 9874010  |
| Patent Number:      | 9717348  |
| Application Number: | 15074383 |
| Patent Number:      | D689823  |
| Patent Number:      | D401558  |
| Application Number: | 29678725 |

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|                     | This document serves as an Oath/Declaration (37 CFR 1.63). |

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