

TRADEMARK ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

|                       |                   |
|-----------------------|-------------------|
| SUBMISSION TYPE:      | NEW ASSIGNMENT    |
| NATURE OF CONVEYANCE: | SECURITY INTEREST |

**CONVEYING PARTY DATA**

| Name   | Formerly | Execution Date | Entity Type           |
|--|----------|----------------|-----------------------|
| Turbine Engine Components Technologies Corporation |          | 12/13/2012     | CORPORATION: DELAWARE |

**RECEIVING PARTY DATA**

|                   |   |
|-------------------|---|
| Name:             | Wells Fargo Bank, National Association, as Administrative Agent |
| Street Address:   | 1525 West W.T. Harris Boulevard                                 |
| Internal Address: | Mail Code D1109-019   |
| City:             | Charlotte   |
| State/Country:    | NORTH CAROLINA  |
| Postal Code:      | 28262   |
| Entity Type:      | National Banking Association: UNITED STATES                     |

**PROPERTY NUMBERS Total: 7**

| Property Type        | Number  | Word Mark      |
|----------------------|---------|----------------|
| Registration Number: | 3965045 | TECT           |
| Registration Number: | 4026530 | POWEREDGE      |
| Registration Number: | 4039139 | POWERTWIST     |
| Registration Number: | 4075290 | TECT ECOTHRUST |
| Registration Number: | 3957130 | TECT           |
| Registration Number: | 4075289 | TECT POWERFORM |
| Registration Number: | 4211574 | TECT POWERPLEX |

**CORRESPONDENCE DATA**

Fax Number: 7043393470  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.*  
 Email: ecampbell@rbh.com  
 Correspondent Name: Elizabeth Campbell

OP \$190.00 3965045

Address Line 1: 101 N. Tryon Street  
Address Line 2: Suite 1900  
Address Line 4: Charlotte, NORTH CAROLINA 28246

|                         |                      |
|-------------------------|----------------------|
| ATTORNEY DOCKET NUMBER: | 23058.00011          |
| NAME OF SUBMITTER:      | Elizabeth Campbell   |
| Signature:              | /Elizabeth Campbell/ |
| Date:                   | 12/14/2012           |

**Total Attachments: 11**

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**GRANT OF SECURITY INTEREST  
IN PATENTS AND TRADEMARKS**

**WHEREAS**, TURBINE ENGINE COMPONENTS TECHNOLOGIES CORPORATION (the "Pledgor") is the owner of the trademark applications and registrations listed on Schedule A attached hereto, (all such trademarks, registrations and applications, collectively, the "Trademarks") and is the owner of the patents and patent applications listed on Schedule A attached hereto (all such patents, registrations and applications, collectively, the "Patents"); and

**WHEREAS**, the Pledgor has entered into a Pledge and Security Agreement (as amended, modified, restated or supplemented from time to time, the "Security Agreement"), dated as of December 13, 2012, in which the Pledgor has agreed with Wells Fargo Bank, National Association, as Administrative Agent (the "Administrative Agent"), with offices at 1525 West W.T. Harris Boulevard, Mail Code D1109-019, Charlotte, North Carolina 28262, to execute this Grant;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, as security for the payment and performance of the Secured Obligations (as defined in the Security Agreement), the Pledgor does hereby grant to the Administrative Agent a security interest in all of its right, title and interest in and to the Trademarks and the Patents, and the use thereof, together with all proceeds and products thereof and the goodwill of the businesses symbolized by the Trademarks. This Grant has been given in conjunction with the security interest granted to the Administrative Agent under the Security Agreement, and the provisions of this Grant are without prejudice to and in addition to the provisions of the Security Agreement, which are incorporated herein by this reference.

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TURBINE ENGINE COMPONENTS  
TECHNOLOGIES CORPORATION

By:  \_\_\_\_\_

Name: Bernard W. Stanek, Jr.

Title: Vice President

*[Signature Page to Security Interest in Patents and Trademarks - TECT]*

**TRADEMARK**  
**REEL: 004919 FRAME: 0290**

Schedule A

**TRADEMARKS AND TRADEMARK APPLICATIONS**

| <b>Pledgor<br/>(owner)</b>                                  | <b>Exact Name</b> | <b>Status of<br/>Filing</b> | <b>Date of<br/>Registration/<br/>Filing</b> | <b>Registration<br/>or Application<br/>Number</b> | <b>Jurisdiction</b>               |
|---|-------------------|-----------------------------|---|---|-----------------------------------|
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Registered                  | May 24, 2011                                | 3,965,045   | U.S.                              |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | POWEREDGE         | Registered                  | September 13,<br>2011                       | 4,026,530   | U.S.                              |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | POWERTWIST        | Registered                  | October 11,<br>2011                         | 4,039,139   | U.S.                              |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST | Registered                  | December 20,<br>2011                        | 4,075,290   | U.S.                              |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>LOGOMARK  | Registered                  | May 10, 2011                                | 3,957,130   | U.S.                              |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERFORM | Registered                  | December 20,<br>2011                        | 4,075,289   | U.S.                              |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX | Registered                  | September 18,<br>2012                       | 4,211,574   | U.S.                              |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Registered                  | Jan-28-2011                                 | IR1066401   | Australia<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Published                   | May-16-2012                                 |   | Australia<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST | Registered                  | Aug-04-2011                                 | IR1090721   | Australia<br>(Madrid<br>National) |

| <b>Pledgor<br/>(owner)</b>                                  | <b>Exact Name</b> | <b>Status of<br/>Filing</b> | <b>Date of<br/>Registration/<br/>Filing</b> | <b>Registration<br/>or Application<br/>Number</b> | <b>Jurisdiction</b>               |
|---|-------------------|-----------------------------|---|---|-----------------------------------|
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERFORM | Registered                  | Aug-04-2011                                 | IR1093554   | Australia<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX | Registered                  | May-09-2012                                 | IR1121189   | Australia<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Published                   | Oct-04-2010                                 | 830795936   | Brazil                            |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Published                   | Oct-04-2010                                 | 830795928   | Brazil                            |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Published                   | Jan-31-2011                                 | 830915281   | Brazil                            |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST | Published                   | Aug-08-2011                                 | 831183772   | Brazil                            |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERFORM | Published                   | Aug-08-2011                                 | 831183799   | Brazil                            |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX | Pending<br>App              | May-14-2012                                 | 840130155   | Brazil                            |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Registered                  | Oct-19-2010                                 | TMA823,254  | Canada                            |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST | Pending<br>App              | May-02-2012                                 | 1539559   | Canada                            |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>LOGOMARK  | Registered                  | Oct-19-2010                                 | TMA823,252  | Canada                            |

| <b>Pledgor<br/>(owner)</b>                                  | <b>Exact Name</b>   | <b>Status of<br/>Filing</b> | <b>Date of<br/>Registration/<br/>Filing</b> | <b>Registration<br/>or Application<br/>Number</b> | <b>Jurisdiction</b>           |
|---|---|-----------------------------|---|---|-------------------------------|
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERFORM   | Published                   | May-02-2012                                 | 1539558   | Canada                        |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX   | Pending<br>App              | May-14-2012                                 | 1,577,487   | Canada                        |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT  | Pending<br>App              | Aug-20-2010                                 | 8593269   | China                         |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT  | Registered                  | Oct-28-2011                                 | 8593270   | China                         |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>LOGOMARK  | Registered                  | Oct-28-2011                                 | 8593267   | China                         |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>LOGOMARK  | Pending<br>App              | Aug-20-2010                                 | 8593268   | China                         |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT (LOGO)<br>TURBINE<br>ENGINE<br>TECHNOLOGIES<br>COMPONENTS<br>CORPORATION | Pending<br>App              | May-23-2011                                 | 9498456   | China                         |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST   | Registered                  | Aug-04-2011                                 | IR1090721   | China<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX   | Pending<br>App              | May-09-2012                                 |   | China<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | HYPERVELOCIT<br>Y   | Registered                  | Sep-18-2008                                 | 6488308   | European<br>Community         |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | POWER EDGE  | Registered                  | Oct-07-2009                                 | 008137804   | European<br>Community         |

| <b>Pledgor<br/>(owner)</b>                                  | <b>Exact Name</b> | <b>Status of<br/>Filing</b> | <b>Date of<br/>Registration/<br/>Filing</b> | <b>Registration<br/>or Application<br/>Number</b> | <b>Jurisdiction</b>            |
|---|-------------------|-----------------------------|---|---|--------------------------------|
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Registered                  | Jan-14-2011                                 | 9233321   | European<br>Community          |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Published                   | Jan-28-2011                                 | 2091360   | India                          |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Pending<br>App              | May-28-2012                                 | 2338888   | India                          |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Pending<br>App              | May-16-2012                                 |   | Israel<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Registered                  | Jan-28-2011                                 | IR1066401   | Israel<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST | Pending<br>App              | Aug-04-2011                                 |   | Israel<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERFORM | Pending<br>App              | Aug-04-2011                                 |   | Israel<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX | Pending<br>App              | May-09-2012                                 |   | Israel<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Registered                  | Jun-10-2011                                 | 5417858   | Japan                          |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Registered                  | Jan-28-2011                                 | IR1066401   | Japan<br>(Madrid<br>National)  |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST | Pending<br>App              | Aug-04-2011                                 |   | Japan<br>(Madrid<br>National)  |



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|---|-------------------------------|-----------------------------|---|---|-------------------------------|
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERFORM             | Registered                  | Aug-04-2011                                 |   | Japan<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX             | Pending<br>App              | May-09-2012                                 |   | Japan<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT                          | Registered                  | Jan-28-2011                                 | IR1066401   | Madrid<br>Protocol<br>(TM)    |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT                          | Registered                  | May-16-2012                                 | IR1124831   | Madrid<br>Protocol<br>(TM)    |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST             | Registered                  | Aug-04-2011                                 | IR1090721   | Madrid<br>Protocol<br>(TM)    |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERFORM             | Registered                  | Aug-04-2011                                 | IR1093554   | Madrid<br>Protocol<br>(TM)    |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX             | Registered                  | May-09-2012                                 | IR1121189   | Madrid<br>Protocol<br>(TM)    |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT                          | Pending<br>App              | May-22-2012                                 | 1275748   | Mexico                        |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT                          | Pending<br>App              | May-22-2012                                 | 1275749   | Mexico                        |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>AEROSPACE<br>LOGOMARK | Registered                  | Nov-30-2006                                 | 965577  | Mexico                        |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>AEROSPACE<br>LOGOMARK | Registered                  | Nov-29-2006                                 | 964636  | Mexico                        |

| <b>Pledgor<br/>(owner)</b>                                  | <b>Exact Name</b>               | <b>Status of<br/>Filing</b> | <b>Date of<br/>Registration/<br/>Filing</b> | <b>Registration<br/>or Application<br/>Number</b> | <b>Jurisdiction</b>                          |
|---|---------------------------------|-----------------------------|---|---|--|
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>CORPORATION<br>LOGOMARK | Registered                  | Nov-27-2006                                 | 963636  | Mexico                                       |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>CORPORATION<br>LOGOMARK | Registered                  | Nov-27-2006                                 | 963637  | Mexico                                       |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST               | Pending<br>App              | Aug-12-2011                                 | 1203168   | Mexico                                       |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>LOGOMARK                | Registered                  | Nov-27-2006                                 | 963634  | Mexico                                       |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>LOGOMARK                | Registered                  | Nov-28-2006                                 | 964071  | Mexico                                       |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT POWER<br>LOGOMARK          | Registered                  | Nov-27-2006                                 | 963635  | Mexico                                       |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT POWER<br>LOGOMARK          | Registered                  | Nov-27-2006                                 | 963633  | Mexico                                       |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERFORM               | Pending<br>App              | Aug-12-2011                                 | 1203172   | Mexico                                       |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX               | Pending<br>App              | May-10-2012                                 | 1272740   | Mexico                                       |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT                            | Registered                  | Jan-28-2011                                 | IR1066401   | Republic of<br>Korea<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>ECOTHRUST               | Registered                  | Aug-04-2011                                 | IR1090721   | Republic of<br>Korea<br>(Madrid<br>National) |

| <b>Pledgor<br/>(owner)</b>                         | <b>Exact Name</b> | <b>Status of<br/>Filing</b> | <b>Date of<br/>Registration/<br/>Filing</b> | <b>Registration<br/>or Application<br/>Number</b> | <b>Jurisdiction</b>                     |
|--|-------------------|-----------------------------|---|---|---|
| Turbine Engine Components Technologies Corporation | TECT<br>POWERFORM | Registered                  | Aug-04-2011                                 | IR1093554   | Republic of Korea<br>(Madrid National)  |
| Turbine Engine Components Technologies Corporation | TECT<br>POWERPLEX | Pending App                 | May-09-2012                                 |   | Republic of Korea<br>(Madrid National)  |
| Turbine Engine Components Technologies Corporation | POWER EDGE        | Registered                  | Nov-02-2011                                 | 446781  | Russian Federation                      |
| Turbine Engine Components Technologies Corporation | TECT              | Registered                  | Aug-01-2011                                 | 441923  | Russian Federation                      |
| Turbine Engine Components Technologies Corporation | TECT              | Registered                  | Jan-28-2011                                 | IR1066401   | Russian Federation<br>(Madrid National) |
| Turbine Engine Components Technologies Corporation | TECT<br>ECOTHRUST | Pending App                 | Aug-04-2011                                 | IR1090721   | Russian Federation<br>(Madrid National) |
| Turbine Engine Components Technologies Corporation | TECT<br>POWERFORM | Registered                  | Aug-04-2011                                 | IR1093554   | Russian Federation<br>(Madrid National) |
| Turbine Engine Components Technologies Corporation | TECT<br>POWERPLEX | Pending App                 | May-09-2012                                 |   | Russian Federation<br>(Madrid National) |
| Turbine Engine Components Technologies Corporation | TECT              | Registered                  | May-16-2012                                 |   | Singapore<br>(Madrid National)          |
| Turbine Engine Components Technologies Corporation | TECT              | Registered                  | Jan-28-2011                                 | IR1066401   | Singapore<br>(Madrid National)          |
| Turbine Engine Components Technologies Corporation | TECT<br>ECOTHRUST | Registered                  | Aug-04-2011                                 | IR1090721   | Singapore<br>(Madrid National)          |

| <b>Pledgor<br/>(owner)</b>                                  | <b>Exact Name</b> | <b>Status of<br/>Filing</b> | <b>Date of<br/>Registration/<br/>Filing</b> | <b>Registration<br/>or Application<br/>Number</b> | <b>Jurisdiction</b>               |
|---|-------------------|-----------------------------|---|---|-----------------------------------|
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERFORM | Registered                  | Aug-04-2011                                 | IR1093554   | Singapore<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX | Pending<br>App              | May-09-2012                                 |   | Singapore<br>(Madrid<br>National) |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT              | Pending<br>App              | Oct-04-2011                                 | 100051033   | Taiwan                            |
| Turbine Engine<br>Components<br>Technologies<br>Corporation | TECT<br>POWERPLEX | Pending<br>App              | May-10-2012                                 | 101025629   | Taiwan                            |

**PATENTS AND PATENT APPLICATIONS**

| <b>Pledgor (owner)</b>                             | <b>Exact Name</b>   | <b>Status of Filing</b> | <b>Date of Registration/<br/>Filing</b> | <b>Registration or<br/>Application<br/>Number</b> | <b>Jurisdiction</b>    |
|--|---|-------------------------|---|---|------------------------|
| Turbine Engine Components Technologies Corporation | Method of Manufacturing a Turbine Fan Blade                         | Registered              | September 4, 2012                       | 8,256,118   | U.S.                   |
| Turbine Engine Components Technologies Corporation | Airfoil Manufacturing Method and Apparatus                          | Application Pending     | July 16, 2010                           | 12/837894   | U.S.                   |
| Turbine Engine Components Technologies Corporation | Machine Method and Apparatus  | Application Pending     | September 28, 2011                      | 13/247200   | U.S.                   |
| Turbine Engine Components Technologies Corporation | Method of Manufacturing a Turbine Fan Blade                         | Application Pending     | 8/24/2010                               | 200880127409.2                                    | China                  |
| Turbine Engine Components Technologies Corporation | Method of Manufacturing a Metal Leading Edge of a Turbine Fan Blade | EP Granted              | 11/28/2012                              | 2229248   | European Patent Office |
| Turbine Engine Components Technologies Corporation | Method of Manufacturing a Turbine Fan Blade                         | Application Pending     | 12/30/2008                              | 206713  | Israel                 |
| Turbine Engine Components Technologies Corporation | Method of Manufacturing a Turbine Fan Blade                         | Granted                 |   | 2454290   | Russian Federation     |