

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hideo IIZUKA</td> <td>10/19/2009</td> </tr> <tr> <td>Jae Seung LEE</td> <td>10/19/2009</td> </tr> <tr> <td>Paul Donald SCHMALENBERG</td> <td>10/19/2009</td> </tr> <tr> <td>Brian Joseph ROBERT</td> <td>10/19/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hideo IIZUKA	10/19/2009	Jae Seung LEE	10/19/2009	Paul Donald SCHMALENBERG	10/19/2009	Brian Joseph ROBERT	10/19/2009
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<b>CORRESPONDENCE DATA</b>											
<p>Fax Number: (248)649-3338</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-649-3333</p> <p>Email: fox@youngbasile.com</p> <p>Correspondent Name: Christopher G. Darrow</p> <p>Address Line 1: 3001 West Big Beaver Road, Ste. 624</p> <p>Address Line 2: Young Basile Hanlon &amp; MacFarlane, PC</p> <p>Address Line 4: Troy, MICHIGAN 48084</p>											
ATTORNEY DOCKET NUMBER:	TRDL-100-A										
NAME OF SUBMITTER:	Christopher G. Darrow										
Total Attachments: 1											

CH \$40.00 12613791

**501032527**

**PATENT**  
**REEL: 023608 FRAME: 0518**



ASSIGNMENT

WHEREAS, we, Hideo IIZUKA, Jae Seung LEE, Paul Donald SCHMALENBERG, and Brian Joseph ROBERT, of 4949 Ravine Ct., Ann Arbor, MI 48105, 5861 Villa France Ave., Ann Arbor, MI 48103; 605 Hidden Valley Club, #307, Ann Arbor, MI 48104; 22484 Louise St., St. Clair Shores, MI 48081, respectively, have invented a

RADIATIVE ENERGY TRANSFER ANTENNAS AND VEHICLE  
BATTERY CHARGING SYSTEM USING SAME

for which we are about to make application for Letters Patent of the United States of America; and


WHEREAS, Toyota Motor Engineering & Manufacturing North America, Inc., a corporation of the State of Kentucky, having its principal place of business at 25 Atlantic Avenue, Erlanger, KY 41018, desires to acquire the entire right, title and interest in and to said invention.

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations, receipt whereof is hereby acknowledged, we, by these presents do sell, assign, and transfer unto said corporation, its successors and assigns, all right, title and interest in the United States of America and all foreign countries in and to said invention as described in the patent application executed by us on the 19<sup>th</sup> day of October, 2009, and we hereby authorize our attorneys, authorized to prosecute said application, to here insert the filing date and serial number of said application, as soon as it is known, Serial No. 12/613,791, filed November 6, 2009, and to any improvements on said invention heretofore or hereafter made while we are in the employ of said corporation, and any divisions or continuations of said application, and all Patents, United States and foreign, granted upon any such applications or for the inventions described therein, and any reexaminations, reissues or extensions of said Patents; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue all Patents on said United States applications to said corporation as assignee thereof.

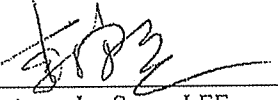
FOR SAID CONSIDERATIONS, we hereby covenant and agree that we are the owners of the full title herein assigned and have the right to assign the same, and agree that we will communicate to said corporation or its representatives, any facts known to us respecting said invention or inventions and testify in any legal proceedings relating thereto when called upon, and will sign all instruments and documents and render such assistance which in the judgment of said corporation is necessary to vest in it and protect the legal title sought to be assigned.

We authorize and empower the assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for the inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

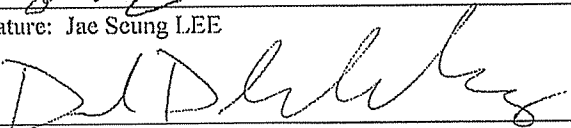
We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

  
Signature: Hideo IIZUKA

10/19/2009  
Dated:

  
Signature: Jae Seung LEE

10/19/2009  
Dated:

  
Signature: Paul Donald SCHMALENBERG

10/19/2009  
Dated:

  
Signature: Brian Joseph ROBERT

10/19/2009  
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