

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Robert Bosch GmbH		03/23/2008
RECEIVING PARTY DATA		
Name:	Robert Bosch LLC	
Street Address:	2880 South 25th Avenue	
City:	Broadview	
State/Country:	ILLINOIS	
Postal Code:	60155	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	10892724	
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ATTORNEY DOCKET NUMBER:	11403/54	
NAME OF SUBMITTER:	Gerard A. Messina	
Total Attachments: 2		
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ASSIGNMENT

For value received, receipt and sufficiency of which are hereby acknowledged, ROBERT BOSCH GMBH, having an office at Postfach 30 02 20, Stuttgart, Germany D-70442 (hereinafter referred to as "the Assignor"), owner of the full right, title and interest in United States Patent Application Serial No. 10/892,724, filed on July 15, 2004 hereby:

1. Assigns, transfers and conveys to ROBERT BOSCH LLC, having an office at 2880 South 25th Avenue, Broadview, IL 60155 USA, (hereinafter referred to as "the Assignee"), the entire right, title and interest in and to said inventions and discoveries, said application and Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries worldwide, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in the name of Assignee or otherwise as Assignee may deem appropriate, under the International Convention or otherwise.

3. Authorize and request the Commissioner for Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that the Assignor has not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that the Assignor has good right to assign the same to Assignee without encumbrance.

5. Bind the Assignor's heirs, legal representatives, and assigns, as well as the Assignor, to do, upon Assignee's request and at Assignee's expense, but without additional consideration, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and

enjoyed by the Assignor, its heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to the Assignor, its officers and employees, relating to said inventions and discoveries or the history thereof; and to furnish the Assignee with any and all documents, photographs, models, samples, and other physical exhibits in the Assignor's control or in the control of the Assignor's heirs, legal representatives, or assigns which may be useful for establishing the facts of conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The undersigned is authorized to act on behalf of the assignor:

Date March 23, 2008

ROBERT BOSCH GMBH

By: Dr. Jürgen Friedmann
Authorized corporate officer

By: Rudi Kisselmann
Authorized representative

The undersigned is authorized to act on behalf of the assignee:

Date April 4, 2008

ROBERT BOSCH LLC

By: [insert name] Luke Baer
Title: [insert title] Sr. Vice President
General Counsel & Secretary