

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YASSER MOHAMED SAYED YACoub	01/11/2012
MATTHEW ALLEN SCHNEIDER	01/11/2012
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<b>City:</b>	DEARBORN
<b>State/Country:</b>	MICHIGAN
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14724049
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<b>SIGNATURE:</b>	/Jibek Enabnit/
<b>DATE SIGNED:</b>	05/28/2015
<b>Total Attachments: 1</b>	
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Please direct all correspondence to: 36865

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, THE UNDERSIGNED,

has/have invented certain new and useful improvements in:

Attorney Docket No. 83220412 entitled:

**Particle Sensor, Exhaust System and Method for Determining Particles  
in the Exhaust Gas**

for which I/we intend to make application for Letters Patent of the United States listing the following as inventors:

Yasser Mohamed Sayed Yacoub  
Matthew Allen Schneider

Pursuant to my employment agreement heretofore made or by contractual obligation, I do sell, assign and transfer unto FORD GLOBAL TECHNOLOGIES, LLC, a Ford Motor Company Limited Liability Company organized and existing by virtue of the laws of the State of Delaware, having its principal place of business at Dearborn, County of Wayne, and State of Michigan, the full and exclusive right for the United States of America and for all foreign countries to the said invention, as described in the specification executed by me on the date listed below, preparatory to obtaining Letters Patent of the United States therefor (and I hereby authorize my attorneys to insert the serial number and filing date herein:

Serial No. 13/351,684, Filing Date January 17, 2012), which claims priority to German Patent Application No. 102011002936.2, filed on January 20, 2011, and I hereby request the Commissioner of Patents and Trademarks to issue said Letters Patent to FORD GLOBAL TECHNOLOGIES, LLC as the assignee.

Executed by:

SIGNATURE:

Name: Yasser Mohamed Sayed Yacoub

Home Address: Holunder Weg 40  
Köln, 50858

Country: Germany (Federal Republic of)

Date: 11.01.2012

Name: Matthew Allen Schneider

Home Address: Zeisigweg 44  
Aachen, 52076

Country: Germany (Federal Republic of)

Date: 11.1.2012

Julia Voutyras