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PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Stephan ECKHOFF	09/24/2012
Frank ADAM	09/24/2012
Christian LAMMARCK	09/25/2012

RECEIVING PARTY DATA

Name:	UMICORE AG & CO. KG
Street Address:	Rodenbacher Chaussee 4
City:	Hanau-Wolfgang
State/Country:	GERMANY
Postal Code:	63457

PROPERTY NUMBERS Total: 1

Property Type	Number	
Application Number:	13639424	

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ATTORNEY DOCKET NUMBER:	034166 R 190
NAME OF SUBMITTER:	Ayisha M. Roberts

Total Attachments: 2

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PATENT REEL: 029089 FRAME: 0152 OF \$40.00 13639424

ASSIGNMENT

This assignment agreement is applicable to an invention entitled:

METHOD OF DEPLETING NITROUS OXIDE IN EXHAUST GAS AFTER-TREATMENT FOR

LEAN-BURN ENGINES

	PATENT PROPERTY referred to in this agreement is: ck one)						
	a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.						
	U.S. Patent Application Serial No, filed(date).						
\boxtimes	a U.S. Patent Application based on PCT International Application No. PCT/EP2011/001678 filed on 5 April 2011 (U.S. Application Serial No, if known).						
	U.S. Patent Noissued(date).						
The I	PATENT PROPERTY also includes all divisions, reissues, continuations and extensions of atents and patent applications identified above.						
	PATENT PROPERTY assigned under this agreement is: ck one)						
	U.S. patent property only.						
	and the second s						
The t	the full and exclusive right to the invention; the entire right, title and interest in and to the PATENT PROPERTY; the right to sue and recover for any past infringement; and, the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.						
The A	ASSIGNOR(S) referred to in this agreement is Identified on page 2 of this Assignment.						
The f	following ASSIGNEE is the recipient of the entire rights assigned herein:						
	UMICORE AG & CO. KG						

UMICORE AG & CO. KG
Rodenbacher Chaussee 4,
63457 Hanau-Wolfgang, Germany

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Inventors-to-Assignee

(check one)		An Individual.			
		A Partnership. A Corporation/Entity of <u>Germany</u> (sp	ecify state or co	ountry)	
		(other)	conj cialo ci co	,	
The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign to the ASSIGNEE, its successors and assigns, the ENTIRE PATENT RIGHTS.					
As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the right, title and interest, for the use and enjoyment of said ASSIGNEE, its successors and assigns.					
Further, the ASSIGNOR(S) agree to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.					
The ASSIGNOR(S) authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.					
Signature:	an ECK	Den DEJ	Date:	24.9.2012	
Signature:	7	Adem	Date:	24.9.2017	
Name: Frank ADAM					
Signature:	S.		Date:	25,09.2012	
Name: Christia	an LAMI	MARCK			

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PATENT REEL: 029089 FRAME: 0154

This ASSIGNEE is: