

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3948417

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT		
EFFECTIVE DATE:	11/26/2013		
CONVEYING PARTY DATA			
	Name	Execution Date	
	ZAHRA NAZARPOOR	04/27/2016	
	STEPHEN J. GOLDEN	04/27/2016	
RECEIVING PARTY DATA			
Name:	CLEAN DIESEL TECHNOLOGIES, INC. (CDTI)		
Street Address:	1621 FISKE PLACE		
City:	OXNARD		
State/Country:	CALIFORNIA		
Postal Code:	93033		
PROPERTY NUMBERS Total: 4			
	Property Type	Number	
	Application Number:	14090861	
	Application Number:	14090887	
	Application Number:	14090915	
	Application Number:	14090938	
CORRESPONDENCE DATA			
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ATTORNEY DOCKET NUMBER:	063926/475357		
NAME OF SUBMITTER:	DANE A. BALTICH		
SIGNATURE:	/DANE A. BALTICH/		
DATE SIGNED:	07/05/2016		

Total Attachments: 5

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**NUNC PRO TUNC
ASSIGNMENT**

THIS ASSIGNMENT, made by us, Zahra Nazarpour and Stephen J. Golden, the inventors of the applications identified on the attached Schedule A, corrects and replaces the assignments executed by us in connection with the applications listed in the attached Schedule A, which hereinafter will be referred to as "said applications."

Those Assignments for said applications to CLEAN DIESEL TECHNOLOGY INC. (CTDI) were executed by us and subsequently recorded in the Assignment Branch of the United States Patent and Trademark Office, the reel and frame numbers of which are provided in the attached Schedule A. Said Assignments, without any deceptive intent, erroneously identified the Assignee as CLEAN DIESEL TECHNOLOGY INC. (CTDI). The Assignee should have been identified as CLEAN DIESEL TECHNOLOGIES, INC. (CDTI).

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in the inventions identified in Schedule A; and

WHEREAS, **CLEAN DIESEL TECHNOLOGIES, INC. (CDTI)**, having its principal place of business at 1621 Fiske Place, Oxnard, California 93033, hereinafter referred to as Assignee, acquired our entire right, title, and interest in and to said inventions as described in said applications, and in and to any and all Letters Patents which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto the said assignee, its successors and assigns, our entire right, title, and interest in and to the said invention and said applications, and in and to any and all non-provisional applications, continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patents of the United States of America and all foreign countries or reissues, reexaminations, or extensions thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patents may be granted, together with the right to claim the priority of said applications in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee,

its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

This Nunc Pro Tunc Assignment is deemed to be effective at least as early as the earliest priority date of said applications.

IN WITNESS WHEREOF, the Assignor, Zahra Nazarpour, has caused this assignment to be executed this 27th day of April, 2016.

4/27/2016
Date

Zahra Nazarpour
Zahra Nazarpour

Alicia Mon Crachen
Witness
Print Name: Alicia Mon Crachen

IN WITNESS WHEREOF, the Assignor, Stephen J. Golden, has caused this assignment to be executed this 27th day of April, 2016.

4/27/2016
Date

S. J. Golden
Stephen J. Golden

Anita Maalbraken
Witness
Print Name: Anita Maalbraken

LEGAL02/36233743v1

SCHEDULE A

Application No.	Filing Date	Title	Reel/Frame of Previously Recorded Assignment
13/891,617	05-10-2013	Copper-Manganese Spinel Catalysts and Methods of Making Same	031150 / 0817
13/891,631	05-10-2013	ZPGM Catalytic Converters (TWC application)	031150 / 0817
13/891,647	05-10-2013	ZPGM Diesel Oxidation Catalysts and Methods of Making and Using Same	031150 / 0817
13/891,668	05-10-2013	Perovskite and Mullite-like Structure Catalysts for Diesel Oxidation and Method of Making Same	031150 / 0817
13/904,246	05-29-2013	Variations for Synthesizing Zero Platinum Group Metal Catalyst Systems	031150 / 0817
13/904,255	05-29-2013	Systems and Methods Using Cu-Mn Spinel Catalyst on Varying Carrier Material Oxides for TWC Applications	031150 / 0817
13/970,172	08-19-2013	Oxygen storage material without rare earth metals	031150 / 0817
14/055,334	10-16-2013	Zero-PGM Catalyst with Oxygen Storage Capacity for TWC Systems	031647 / 0261
14/055,411	10-16-2013	Thermally Stable Compositions of OSM free of Rare Earth Metals	031647 / 0261
14/098,070	12-05-2013	Formation and Stability of Cu-Mn Spinel Phase for ZPGM Catalyst Systems	032129 / 0940
14/098,084	12-05-2013	System and Methods for using Copper- Manganese- Iron Spinel as Zero PGM Catalyst for TWC Applications	032129 / 0940
14/090,861	11-26-2013	System and Methods for Using Synergized PGM as a Three-Way Catalyst	032129 / 0940

Application No.	Filing Date	Title	Reel/Frame of Previously Recorded Assignment
14/090,887	11-26-2013	Oxygen Storage Capacity and Thermal Stability of Synergized PGM Catalyst Systems	032129/0940
14/090,915	11-26-2013	Method for Improving Lean Performance of PGM Catalyst Systems: Synergized PGM	032129 / 0940
14/090,938	11-26-2013	Systems and Methods for Managing a Synergistic Relationship Between PGM and Copper-Manganese in a Three Way Catalyst Systems	032129 / 0940
14/968,516	12-14-2015	Oxygen Storage Material without Platinum Group Metals and Rare Earth Metals	031150 / 0817
14/183,081	02-18-2014	Influence of Support Oxide Materials on Coating Processes of ZPGM Catalyst Materials for TWC Applications	032578 / 0327
14/251,169	04-11-2014	Synergized PGM Catalyst Systems for Diesel Oxidation Catalyst Applications	032927 / 0665
14/251,186	04-11-2014	Systems and Methods for Using Copper-Manganese Spinel as Active Phase for Diesel Oxidation Applications	032927 / 0665