505316711 02/06/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5363492

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE	

CONVEYING PARTY DATA

Name	Execution Date
CUMMINS, INC. D/B/A CUMMINS TECHNICAL CENTER	01/08/2019

RECEIVING PARTY DATA

Name:	UNITED STATES DEPARTMENT OF ENERGY
Street Address:	1000 INDEPENDENCE AVE. S.W.
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20585

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12152089

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ATTORNEY DOCKET NUMBER:	12/152,089 PSL
NAME OF SUBMITTER:	PAULA S LEON/
SIGNATURE:	/Paula S Leon/
DATE SIGNED:	02/06/2019

Total Attachments: 1

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PATENT 505316711 REEL: 049812 FRAME: 0514

Invention Report Number 10041921-12-0010 - Patent Docket Number 8-02-13064 CONTROLS (M)

License to the United States Government

Sign and submit the executed docum	ent to the appropriate funding ag	ency (e.g. upload	d in iEdison).	
Invention Title: Open Loop Bra	yton Cycle for EGR Coo	ling		
Inventor(s): CHRISTOPHER R. 1	ELSON, TIMOTHY C. ERN	3T		
U.S. Filing/Issue Date: 05/12/2	008 Issue Date 6/14/2011			
Patent or Application Serial No.:	[2/152,089 US Patent#	7958873		
Grant/Contract Number(s): DE-F	C26-05NT42419			
Foreign Applications filed/intende	d in (countries):			
United States the invention continuations in part, and in	11 or FAR 52.227-12 (if appling from the United States Governable, irrevocable, paid-up for described in any patent applicant and re-issing and all patents and re-issing Government by reason of e to the award.	icable) which a remment. This icense to pract plication and in ues granted the the above iden	are included amo adocument is co- ice or have pract any and all div reon throughout t tified grant/contra	ing the terms of the above infirmatory of: iced for or on behalf of the isions, continuations, and the world; and ict award and the laws and
Signed this 8th	day of Januar	<u>y </u>	20_19	y.
By J. STEVEN KOLHO			lf/ball	au
(Institutional Busines	* 50	(Sign	nature)	
Title DIRECTOR, INTELLECTUAL I	PROPERTY, RAT MGMT			
For COMMINS, INC. D/B/A CI (Grantee/Contracts		<u> </u>		
At CUMMINS, INC. D/B/A CUI (Business Address	MINS TECHNICAL CENTER	1900 MCKIN)	LEY AVE COLUM	BUS, IN 47201

PATENT REEL: 049812 FRAME: 0515

RECORDED: 02/06/2019