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Form PTO-1595 (Rev. 08/05) Doc Code: 5702-011 OMB No. 0651-0027 (exp. 6/30/2008)	07-02-2007 COMMERC		
RECORDATION FOR	PM COL		
PATEN	A COURT OF STATE S		
To the Director of the U.S. Patent and Trademark Office: Plea	103421866 <u>>w.</u>		
Name of conveying party(ies) Sudhakar R. Ganta	2. Name and address of receiving party(166)		
Graylon K. Williams	Name: TK Holdings, Inc.		
Cory G. Miller	Internal Address:		
Additional name(s) of conveying party(les) attached? ☐ Yes ☒ No	Street Address: 69700 Powell Road		
3. Nature of conveyance/Execution Date(s):	Was a state of the		
Execution Date(s) April 17 & April 20, 2007 Assignment Merger			
	City: Armada		
☐ Joint Research Agreement	State: Michigan		
☐ Government Interest Assignment	Country: USA Zip: 48005		
☐ Executive Order 9424, Confirmatory License			
☐ Other	Additional name(s) & address(es) attached? Yes No		
	Additional name(s) & address(es) attached? Yes No document is being filed together with a new application.		
4. Application or patent number(s): A. Patent Application No.(s)			
4. Application or patent number(s):	document is being filed together with a new application.		
4. Application or patent number(s): A. Patent Application No.(s)	document is being filed together with a new application.		
4. Application or patent number(s): A. Patent Application No.(s) 11/800,172 Additional numbers all	document is being filed together with a new application. B. Patent No.(s) tached? Yes No		
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4. Application or patent number(s): A. Patent Application No.(s) 11/800,172 Additional numbers all 5. Name and address to whom correspondence concerning document should be mailed: Name: L.C. Begin & Associates, PLLC	document is being filed together with a new application. B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
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4. Application or patent number(s): A. Patent Application No.(s) 11/800,172 Additional numbers all 5. Name and address to whom correspondence concerning document should be mailed: Name: L.C. Begin & Associates, PLLC Internal Address: Street Address: 510 Highland Ave. PMB 403 City: Milford State: Michigan Zip: 48381	document is being filed together with a new application. B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment information a. Credit Card Last 4 Numbers 1003		
4. Application or patent number(s): A. Patent Application No.(s) 11/800,172 Additional numbers al 5. Name and address to whom correspondence concerning document should be mailed: Name: L.C. Begin & Associates, PLLC Internal Address: Street Address: 510 Highland Ave. PMB 403 City: Milford State: Michigan Zip: 48381 Phone Number: (248) 889-5875	document is being filed together with a new application. B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment information a. Credit Card Last 4 Numbers 1003 Expiration Date 7/08		
4. Application or patent number(s): A. Patent Application No.(s) 11/800,172 Additional numbers all 5. Name and address to whom correspondence concerning document should be mailed: Name: L.C. Begin & Associates, PLLC Internal Address: Street Address: 510 Highland Ave. PMB 403 City: Milford State: Michigan Zip: 48381	document is being filed together with a new application. B. Patent No.(s) tached? Yes No 6. Total number of applications and patents involved: 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Authorized to be charged by credit card Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment information a. Credit Card Last 4 Numbers 1003		

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

PAGE 2/6 * RCVD AT 6/25/2007 11:34:32 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/20 * DNIS:2738300 * CSID:12488877664 * DURATION (mm-ss):02-34

Signature

Lisa Steward
Name of Person Signing

PATENT REEL: 019517 FRAME: 0295

Total number of pages including

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6

	Assignment of Rights, Title and (Multiple inventors; si	T T	Docket No. 5702-01143		
This is an As	This is an Assignment of the following rights, title and interest: (check all that apply):				
×	United States of America rights, title	and interest in the invention			
X	Foreign rights, title and interest in th	e invention			
⊠	☑ United States Patent Application Serial No. 11/800,172				
	Date of Execution: April 17 & 20, 2007 Date of Filing: 5/4/07				
	United States Provisional Patent Application Serial No.				
	United States Patent No(s).				
	International (PCT) Patent Application	on Serial No.			
	Other (specify)				
Title of the I	nvention				
GAS GENERANT COMPOSITIONS Inventors (assignors)					
	Name	Address			
Sudhakar F	R. Ganta				
Graylon K.	Williams				
Cory G. MII	ler				
Assignee					
	Name	Address			
TK Holdings	s, Inc.	69700 Powell Road Armada, Michigan 48005			

PAGE 3/6 * RCVD AT 6/25/2007 11:34:32 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/20 * DNIS:2738300 * CSID:12488877664 * DURATION (mm-ss):02-34

PATENT REEL: 019517 FRAME: 0296

Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)

Docket No. 5702-01143

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above und described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

LC Begin & Associates

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignee;

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignee;

And we hereby authorize and request the Director of the United States Patent and Trudemark Office to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereta;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures (if Notarization is desired, do not sign here and proceed to next page)

Name	Signature/Date
Sudhakar R. Ganta	
Graylon K. Williams	
Cory G. Miller	

[Page 2 of 3]

PAGE 4/6 * RCVD AT 6/25/2007 11:34:32 AM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/20 * DNIS:2738300 * CSID:12488877664 * DURATION (mm-ss):02-34

PATENT REEL: 019517 FRAME: 0297

Assignment of Rights, Title and Interest in Invention	Docket No.	
(Multiple luventors; single assignee)	5702-01143	
Notarization (Although notorization is not necessary, it will be considered prima facte evidence of execution pursuant to 3.5 U.S.C. 261.)		
Executed this 17th day of APLIC in the year 2007		
Pe laste		
Scare of Michigan County of Macomb	entar)	
County of Macomb		
Before me personally appeared Sudhakar R. Ganta		
who acknowledged the foregoing instrument to be a free act and deed and also represent execute the same this 172 day of () while in the year 2007	ited that he or she is authorized to	
DEANA DESMAPAR		
Notary Public, State of Michigan County of Macomb	•	
My Commission Expires 06-25-2012	naraw	
Executed this 17th day of Charil in the year 3007	(AC)	
est Executed this 17th day of Captil in the year 3007	Morrox	
Spending at Inv	dutor)	
country of Macomb	,	
County of Macomb		
Before me personally appeared Graylon K. Williams		
who acknowledged the foregoing instrument to be a free act and deed and also represen	ted that he or she is authorized to	
execute the same this 17th day of Optil in the year 2007 DEANA DESMARAIS		
Notary Public, State of Michigan County of Mecomb My Commission Expires 06-25-2012 Deana Deana	rais	
Acting in the county of 1996 and (Numry Publication)	lie)	
Executed this 20th day of april in the year 2007	Ì	
"		
(Signature of Inve	enior)	
County of Dakland		
	MANUSAL J Richingson Islany Public - Michigan	
Before me personally appeared Cory G. Miller	Colling County This State Hand L. 20th or ged to	
who acknowledged the foregoing instrument to be a free act and deed and also remember of the same this 200 day of QOLL in the year	THE COURSE OF CAKLANA	
executes the same this 20th may of Chick	1	
The state of the s	11	
Assaulte Money Publi	Thrasher.	
[Page 3 of 3]		

PAGE 5/6* RCVD AT 6/25/2007 11:34:32 AM [Eastern Daylight Time]* SVR:USPTO-EFXRF-2/20* DNIS:2738300* CSID:12488877664* DURATION (mm-ss):02-34

PATENT

REEL: 019517 FRAME: 0298