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United	States	Patent	and i	Traden	ark	Office

RECORDATION FORM COVER SHEET PATENTS ONLY			
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.			
1. Name of conveying party(ies) Sudhakar R. Ganta Graylon K. Williams Cory G. Miller	2. Name and address of receiving party(ies)  Name: TK Holdings, Inc.  Internal Address:		
Additional name(s) of conveying party(ies) attached? Yes No  3. Nature of conveyance/Execution Date(s):  Execution Date(s) May 16 & 17, 2007	Street Address: 69700 Powell Road		
□ Assignment □ Merger     □ Security Agreement □ Change of Name     □ Joint Research Agreement     □ Government Interest Assignment     □ Executive Order 9424, Confirmatory License     □ Other □	City: Armada  State: Michigan  Country: US Zip: 48005  AddItional name(s) & address(es) attached?  Yes No		
4. Application or patent number(s):   A. Patent Application No.(s)  11/800,918  Additional numbers att	document is being filed together with a new application.  B. Patent No.(s)  B. Patent No.(s)  Cached? ☐ Yes ☑ No		
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:		
Name: L.C. Begin & Associates, PLLC Internal Address:  Street Address: 510 Highland Ave.	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		
PMB 403 City: Milford	<ul><li>□ None required (government interest not affecting title)</li><li>8. Payment Information</li></ul>		
State: Michigan Zip: 48381  Phone Number: (248) 889-5875  Fax Number: (248) 887-7664	a. Credit Card Last 4 Numbers 1003  Expiration Date 7/09  b. Deposit Account Number		
9. Signature: Signature	Authorized User Name <u>Laurence C. Begin</u> 7/2/6/07  Date		
Lisa Steward Name of Person Signing	Total number of pages including cover		

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

PATENT REEL: 019599 FRAME: 0526

	Docket No. 5702-00184		
This is an A	(Multiple inventors; s	le and interest: (check all that apply):	
×	United States of America rights, titl		
. 🗵	Foreign rights, title and interest in		
Ŋ	United States Patent Application Se		
	Date of Execution: May 16 & 1		
	United States Provisional Patent Ap		<del></del>
	United States Patent No(s).	<del></del>	
	International (PCT) Patent Applica	stion Serial No.	<u> </u>
	Other (specify)		<u> </u>
Title of the In	nvention		
	GAS GEN	*# NERANT COMPOSITIONS	,
Inventors (as	signors)		
	Name	Address	
Sudhakar R	- <u> </u>		
Graylon K. \	<u> </u>		
Cory G. Mille	<u>er</u>		
<u></u>			
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<b>-</b>			
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·		·	
Assignee			
	Name	Address	
TK Holdings,	Holdings, Inc. 69700 Powell Road Armada, Michigan 48005		

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PATENT
ASSISAREVOZ
REEL: 019599 FRAME: 0527

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

Docket No. 5702-00184

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

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 Trademark 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 thereto;

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	

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Assignment of Rights, Title and Interest in Invention (Multiple inventors; single assignee)	Docket No.
(*** arapic inventors, single assignee)	5702-00184
Notarization  (Although notarization is not necessary, it will be considered prima facle evidence of execution pursua	u to 35 U.S.C. 261.)
at Executed this 17th day of May in the year 2007	
State of Michigan Sudhatag	R Ganta
State of Michigan (Signature of Country of Macomb	
Before me personally appeared Sudhakar R. Ganta who acknowledged the foregoing instrument to be a free act and deed and also repres execute the same this 17 & day of 70 in the year 2000  DEANA DESMARAS  Notary Public, State of Michigan  County of Macomb  My Commission Expires 06-25-2012 Acting in the county of MACOMB	sented that he or she is authorized  .  MANANA
at Executed this 17th day of May in the year 2007	the state of the s
State of Michigan  County of Mactine	·
Before me personally appeared Graylon K. Williams who acknowledged the foregoing instrument to be a free act and deed and also represe execute the same this // day of from in the year 2000  DEANA DESMARAIS Notary Public, State of Michigan County of Macomb  My Commission Expires 08-28-2012 Author in the county of 11/105/17/2	nted that he or she is authorized to manaco
Executed this 16 T day of May in the year 2067	, in the second
tate of Michigan (Signature of Inv	ventor)
county of Oakland	
efore me personally appeared Cory G. Miller ho acknowledged the foregoing instrument to be a free act and deed and also represent secute the same this / G. T. day of May in the year 200	ted that he or she is authorized to
[Page 3 of 3 ]	

CERTIFICATE OF T	TRANSMISSION BY FAC	SIMILE (37 CFR 1.8)	<b>Docket No.</b> 5702-00184	
Application No.	Filing Date	Examiner	Group Art Unit	
11/800.918	5/7/07		1755	
Invention: Gas Generant		<u> </u>		
		·		
I hereby certify that this		Assignment for Recordal		
	<u> </u>	(Identify type of correspondence)		
is being facsimile transmi	itted to the United States Paten	t and Trademark Office (Fax. No	. (571) 273-0140	
on 7/26	107			
		Lisa Stewar	rd	
		(Typed or Printed Name of Person	Signing Certificate)	
Lisa Steward. (Signature)				
Note: Each paper must have its own certificate of mailing.				

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P18/REV02

RECORDED: 07/26/2007

**REEL: 019599 FRAME: 0530**