

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Alan Z. Ullman</td><td>03/18/2009</td></tr><tr><td>Clyde D. Newman</td><td>03/18/2009</td></tr></tbody></table>	Name	Execution Date	Alan Z. Ullman	03/18/2009	Clyde D. Newman	03/18/2009	
Name	Execution Date						
Alan Z. Ullman	03/18/2009						
Clyde D. Newman	03/18/2009						
RECEIVING PARTY DATA							
Name:	The Boeing Company						
Street Address:	100 North Riverside Plaza						
City:	Chicago						
State/Country:	ILLINOIS						
Postal Code:	60606-0216						
PROPERTY NUMBERS Total: 1							
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12407099</td></tr></tbody></table>	Property Type	Number	Application Number:	12407099			
Property Type	Number						
Application Number:	12407099						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	08-1169 065542-0039						
NAME OF SUBMITTER:	Karin E. Peterka						
Total Attachments: 2 source=SigAssignment-065542-0039#page1.tif source=SigAssignment-065542-0039#page2.tif							

CH \$40.00 12407099

PATENT

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REEL: 022419 FRAME: 0427

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

Docket No.
08-1169 065542-0039

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*
☒ *Foreign rights, title and interest in the invention*
☐ *United States Patent Application Serial No.*

Date of Execution:

Date of Filing:

- ☐ *United States Provisional Patent Application Serial No.* _____
- ☐ *United States Patent No(s).* _____
- ☐ *International (PCT) Patent Application Serial No.* _____
- ☐ *Other (specify)* _____

Title of the Invention

CHEMICAL REACTION-BASED THERMAL MANAGEMENT SYSTEM AND METHOD

Inventors (assignors)

[illegible]

Assignee

<i>Name</i>	<i>Address</i>
The Boeing Company	100 North Riverside Plaza Chicago, IL 60606-0216

**Assignment of Rights, Title and Interest in Invention
(Multiple inventors; single assignee)**Docket No.
08-1169 065542-0039

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;

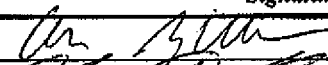
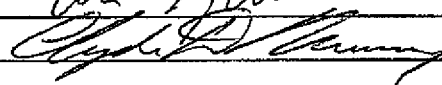
Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

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
Alan Z. Ullman	 3/18/2009
Clyde D. Newman	 3/18/2009