

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Steve G. Mackin	12/14/2011
RECEIVING PARTY DATA	
Name:	The Boeing Company
Street Address:	100 North Riverside Plaza
City:	Chicago
State/Country:	ILLINOIS
Postal Code:	60606-1596
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13325871
CORRESPONDENCE DATA	
Fax Number:	(314)231-4342
Phone:	314-345-7000
Email:	uspatents@senniger.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	David E. Crawford, Jr.
Address Line 1:	Senniger Powers LLP
Address Line 2:	100 North Broadway, Suite 1700
Address Line 4:	St. Louis, MISSOURI 63102
ATTORNEY DOCKET NUMBER:	11-0349-US-NP; BAC 110349
NAME OF SUBMITTER:	David E. Crawford, Jr.
Total Attachments: 3 source=01651804#page1.tif source=01651804#page2.tif source=01651804#page3.tif	

OP \$40.00 13325871

PATENT

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REEL: 027381 FRAME: 0255

ASSIGNMENT

WHEREAS, I, Steve G. Mackin of Bellevue, Washington have invented an improvement in RE-CIRCULATING DEFROSTING HEAT EXCHANGER (11-0349-US-NP; BAC 110349) and have executed an application for a United States patent based thereon simultaneously herewith;

AND, WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the state of Delaware, US, having a place of business at 100 North Riverside Plaza, Chicago, Illinois 60606-1596, with a mailing address of P.O. Box 2515 MC WSB-43 Seal Beach, CA 90740-1515, USA. (hereinafter referred to as "ASSIGNEE") is desirous of acquiring certain rights thereunder;

NOW, THEREFORE, for one dollar and other good and valuable consideration, receipt of all of which is hereby acknowledged, I have agreed to and do hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest, including the right to claim priority, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto in and to said invention, said United States application, any other United States applications (including provisional, non-provisional, divisional, continuing, or reissue applications) based in whole or in part on said United States application or in whole or in part on said invention, any foreign applications based in whole or in part on any of the aforesaid United States applications or in whole or in part on said invention, and any and all patents (including

extensions thereof) of any country which have been or may be granted on any of the aforesaid applications or on said invention or any part thereof;

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 me had no sale and assignment of said interest been made;

AND I hereby authorize and request the Director of the United States Patent and Trademark Office of the United States of America to issue any and all United States patents which may be granted upon said United States applications or any of them, or upon said invention or any part thereof, to said ASSIGNEE;

AND I hereby agree for myself and for my heirs, executors and administrators, to execute without further consideration any further lawful documents and any further assurances, and any provisional, non-provisional, divisional, continuing, reissue, or other applications for patents of any country, that may be deemed necessary by said ASSIGNEE fully to secure to said ASSIGNEE its interest as aforesaid in and to said invention or any part thereof, and in and to said several patents or any of them;

AND I hereby covenant for myself and my legal representatives, and agree with said ASSIGNEE, its successors and assigns, that I have granted no right or license to make, use or sell said invention, to anyone except said ASSIGNEE, that prior to the execution of this deed my right, title and interest in said invention had not been otherwise encumbered, and that I

have not executed and will not execute any instrument in conflict herewith.

IN WITNESS WHEREOF, I have hereunto set my hand.

12/14/11
Date

Steve Mackin
Steve G. Mackin

STATE OF Washington)
COUNTY OF Snohomish)

On this 14th day of December, 2011, before me, a Notary Public, personally appeared Steve G. Mackin to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

LESLEY A KOEPNICK
Notary Public
State of Washington
My Commission Expires
April 21, 2012

Lesley A Koepnick
Notary Public

My Commission Expires:

April 21, 2012