FO <b>RM PTO-1595</b> (Rev. 6-93)	10-20-1998		ER SHEET U.S. DEPARTMENT OF COM Patent and Trademan
OMB No. 0651-0011 (exp. 4/94)			Express Mail #EL098128732US
Tab settings			he attached original documents or copy thereof.
To the Honorable Commissione	100855930		
1. Name of conveying party(ies):		2.	Name and address of receiving party(ies)
Robert A. Shannon Lawrence Vincent Rich			Name: North American Manufactur
Frank Christian Gilber	:t		Company Internal Address:
Additional name(s) of conveying party(ies) attac	hed? 🗆 Yes 🖾 No		°.58
3. Nature of conveyance:	9.98		
Assignment	D Merger		Street Address: 4455 East 71st Street
Security Agreement	Change of Name		
□ Other			City: Cleveland State: Ohio ZIP:44
Execution Date: October 7 & 8, 1998			Additional name(s) & address(es) attached? 🗅 Yes 🍇 No
4. Application number(s) or patent nur	nber(s):	1	
			1000000000000000000000000000000000000
If this document is being filed toget	ner with a new applicatio	in, the	execution date of the application is: $10/9/98$
A. Patent Application No.(s)			B. Patent No.(s)
			89/169634
	Additional numbers at	I Itached'i	· · ·
		1	
5. Name and address of party to whom concerning document should be ma	•	6.	. Total number of applications and patents involved:
Name: Jay P. Ryan		7.	. Total fee (37 CFR 3.41)\$40,00
Internal Address: Jones Day F	Reavis & Pogue		XX Enclosed
North Point	-		V-V A Structure of the state of
			Authorized to be charged to deposit account is under or over payment
Street Address: 901 Lakesid	le Avenue	8.	. Deposit account number:
			10-1202
City: <u>Cleveland</u> State:	hio <b>ZIP: 44114</b>		(Attach duplicate copy of this page if paying by deposit account
6/1998 GPATHE 00000019 09169634	DO NOT US	I SE THIS	S SPACE
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9. Statement and signature.		notion	n is true and correct and any attached copy is a true o
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9. Statement and signature. To the best of my knowledge and b the original document. Jacqueline M. O'Brie Name of Person Signing	en UUH	Signa Signa cover a	ature 10/9/98 sheet, attachments, and document: 3 Date

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<b>REEL:</b>	9509	FRAME:	0683
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ATTORNEY'S DOCKET NO.: 504835041050

Express Mail #EL098128732US PATENT Joint

## **ASSIGNMENT**

WHEREAS, WE,

ROBERT A. SHANNON 32526 Electric Boulevard Avon Lake, Ohio 44012

LAWRENCE VINCENT RICH 2006 Broadhills Farm Caraopolis, Pennsylvania 15108

FRANK CHRISTIAN GILBERT 6927 Woodwalk Road Brecksville, Ohio 44141

have made an invention in

## METHOD AND APPARATUS FOR UNIFORMLY HEATING A FURNACE

for which application for Letters Patent of the United States has been filed concurrently herewith; and

WHEREAS, NORTH AMERICAN MANUFACTURING COMPANY (hereinafter "North American"), a corporation organized and existing under the laws of Ohio and having its principal place of business at 4455 East 71st Street, Cleveland, Ohio, 44105, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we do hereby sell, assign, and transfer unto said North American, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications filed in any foreign country based thereon, including the right to file said foreign applications and to claim priority under the provisions of the International Convention; also any improvements on said invention or inventions now or hereafter made by me during the period of my employment; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention, inventions, or improvements and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention, inventions, or improvements in this or any foreign country, and we hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said North American, as assignee of the entire interest.

CLLIT01: 297530\_1 WPD

PATENT REEL: 9509 FRAME: 0684

We do hereby agree for ourselves and for our heirs, executors, and administrators to execute any lawful document and to testify as to any material fact or thing which North American, its successors and assigns, may deem necessary in order to secure unto itself its successors and assigns the full right, title and interest in and to the full enjoyment of said invention or any part thereof and the said Letters Patent or any of them, the same to be done without any further consideration.

IN TESTIMONY WHEREOF, we have hereunto set our hands and seal on the date

set after our signatures. non

Oct.

Robert A. Shannon

STATE OF

COUNTY OF

his free act and deed.

, 1998 before me personally appeared ROBERT A. SHANNON, to me day of personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as

> CHARLOTTE A. DICARLO Notary Public, State of Ohio Recorded in Cuyahoga Cty. My Comm. Expires 03-26-2000

Varla Notary Public

ති Uct 1998

Lawrence Vincent Rich

STATE OF OK COUNTY OF Cupahoga

day of U.T. , 1998 before me personally appeared LAWRENCE VINCENT RICH, to me On this ð personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public

MOCT 1998 CHARLOTTE A. DICARLO Notary Public, State of Ohio Recorded in Cuyahoga Cty. My Comm. Expires 03-26- 2000

Frank Christian Gilber

STATE OF Ohe COUNTY OF CULJABORA day of

, 1998 before me personally appeared FRANK CHRISTIAN GILBERT, to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledged the signing of same as his free act and deed.

Notary Public

CLLIT01: 297530 1.WPD

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CHARLOTTE A. DR NUMBER PERING ST HEC My COPATENSTO-30 2000 REEL: 9509 FRAME: 0685

## **RECORDED: 10/09/1998**