

09-28-2001

FORM PTO-1595
(Modified)



ER SHEET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101859058

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Therma-Tru Corporation

09/24/01

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies):

Name: TT Technologies, Inc.

Internal Address: _____

Street Address: 1687 Woodlands Drive

City: Maumee State: OH Zip: 43537

Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other _____

Execution Date: January 1, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)
See attached Schedule A.

B. Patent No.(s)
See attached Schedule A.

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Earl J. LaFontaine

Address: Brooks & Kushman P.C.

1000 Town Center, Twenty-Second Floor

City: Southfield State: MI ZIP: 48075

6. Total number of applications and patents involved: 19

7. Total Fee (37 C.F.R. § 3.41) \$ 760.00

Enclosed

Authorized to be charged to Deposit Account

8. Deposit Account Number: _____

(Attach duplicate copy of this page if paying by Deposit Account)

09/27/2001 BYRNE 00000041 RE36240

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct, and any attached copy is a true copy of the original document.

Earl J. LaFontaine

Name of Person Signing

Earl J. LaFontaine

Signature

9/24/01

Date

Total number of pages including cover sheet, attachments, and document: 11

Mail documents to be recorded with required cover sheet information to:
Box Assignments, Director of the United States Patent and Trademark Office
Washington, D.C. 20231

PATENT
REEL: 012188 FRAME: 0750

Schedule A

Therma-Tru Corporation to TT Technologies, Inc.

Issued Patents

RE 36,240
4,411,104
4,429,493
4,720,951
4,850,168
4,860,512
4,864,789
4,901,493
4,922,674
4,965,030
5,537,789
5,932,314
5,948,849

Pending Applications

08/791,023
09/280,605
09/329,127
09/355,209
09/529,607
09/534,676

**CONFIRMATION OF PATENT ASSIGNMENT
AND ASSIGNMENT *NUNC PRO TUNC***

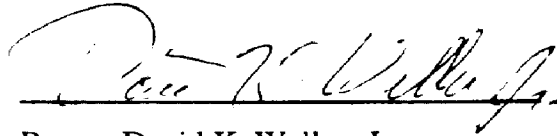
This Assignment is effective the 1st day of January, 2001, by and between Therma-Tru Corporation, an Ohio corporation, having a place of business at 1687 Woodlands Drive, Maumee, Ohio 43537 and TT Technologies., a Delaware Corporation, having a place of business at 1687 Woodlands Drive, Maumee, Ohio 43537;

WHEREAS, Therma-Tru Corporation is the sole and exclusive owner of the patents and patent applications listed on Appendix A, attached hereto; and

WHEREAS, TT Technologies, Inc. is desirous of acquiring all right, title and interest in, to and under said patents and applications, and the inventions covered thereby.

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, said Therma-Tru Corporation, has assigned, transferred and set over, and does hereby assign, transfer, and set over, *nunc pro tunc*, to said TT Technologies, Inc. the entire right, title and interest in and to said patents and applications, in any continuations, continuations-in-part, divisions, or reissues thereof, and in and to the inventions described therein, in the United States and all countries foreign thereto, including the right of priority under the International Convention and later modifications thereof, and to any letters Patent to issue therefrom, and including the right to sue and be entitled to any damages for infringement prior to the date hereof, the same to be held and enjoyed by TT Technologies, Inc., for its own use and benefit, to the full end of the term for which said patents are enforceable, as fully and

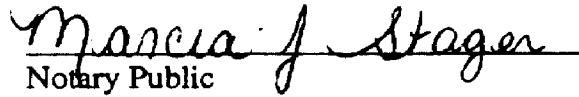
entirely as the same would have been held by Therma-Tru Corporation had this assignment not been made.



By: David K. Welles, Jr.
Chief Executive Officer

STATE OF OHIO)
) SS.
COUNTY OF LUCAS)

Before me, a notary public, personally appeared David K. Welles, Jr. known to me to be the person who, as Chief Executive Officer of Therma Tru Corp., the corporation which executed the foregoing instrument, signed the same, and acknowledged to me that he did so sign said instrument in the name and upon behalf of said corporation as such officer, that the same is his free act and deed as such officer, and the free and corporate act and deed of said corporation; that he was duly authorized thereunto by its board of directors. In testimony whereof, I have hereunto subscribed my name, and affixed my official seal, at Maumee, Ohio this 23rd day of APRIL, 2001.


Notary Public

Marcia J. Stager
Notary Public - State of Ohio
County of Fulton
My Commission Expires 8-12-04

Appendix A

Case Number	Title	Country	Status	Serial No.	Filing Date	Patent No.	Issue Date
TTC 120	COMPRESSION MOLDED DOOR ASSEMBLY	Canada United States	Issued Issued	2188433 08/924934	20-Jun-1995 09-Sep-1997	2188433 Re36240	14-Dec-1999 23-Jul-1996
TTC 121	WEATHERABLE BUILDING MATERIALS	Canada Europe Japan Mexico United States United States PCT	Pending Pending Pending Pending Pending Pending Pending	2279852 10-531951 996958 087791023 09/355209 US97/14290	14-Aug-1997 14-Aug-1997 14-Aug-1997 14-Aug-1997 27-Jan-1997 23-Jul-1999 14-Aug-1997		
TTC 122	DOOR SILL ASSEMBLY HAVING ADJUSTABLE THRESHOLD	United States PCT	Pending Pending	09/534676	24-Mar-2000 21-Mar-2001		
TTC 136	COMPRESSION MOLDED, INSERTED THERMOSET DOOR LIGHT FRAMES, PLANT-ON MOLDINGS, AND DECORATIVE PANELS	Canada Europe Japan Mexico United States PCT	Pending Pending Pending Pending Pending Pending	2306368	14-Oct-1998 14-Oct-1998 14-Oct-1998 14-Oct-1998 14-Apr-2000 14-Oct-1998		

Appendix A

Case Number	Title	Country	Status	Serial No.	Filing Date	Patent No.	Issue Date
TTC 137	WEATHERABLE COATING FOR STAINED COMPOSITE THERMOSET OR THERMOPLASTIC SURFACE PLASTIC BUILDING PRODUCTS	Canada United States	Pending Issued	2219412 06/912443	27-Oct-1997 18-Aug-1997	5948849	07-Sep-1999
TTC 141	INSULATED DOOR ASSEMBLY WITH LOW THERMAL DEFLECTION	Canada Europe United States	Pending Issued Issued	2246181 95924007.8 08/922988	01-Sep-1998 20-Jun-1995 02-Sep-1997	770007 5932314	17-Nov-1999 03-Aug-1999
TTC 143	WEATHERABLE COATING FOR STAIN SYSTEM FOR THERMOSET OR THERMOPLASTIC COMPOSITE SURFACES	Canada Europe Japan Mexico United States PCT	Pending Pending Pending Pending Issued Pending	2318148 2000-532269 09/027525 US99/03803	22-Feb-1999 22-Feb-1999 22-Feb-1999 22-Feb-1999 23-Feb-1998 22-Feb-1999	6201057	13-Mar-2001
TTC 146	THUMB-OPERATED MULTILATCH DOOR LOCK	United States PCT	Pending Pending	09/329127 US00/15397	09-Jun-1999 05-Jun-2000		
TTC 147	COMPRESSION MOLDED DOOR ASSEMBLY	AU Canada Europe Japan Mexico United States PCT	Pending Pending Pending Pending Pending Issued Pending	48615/99 2000-560333 2001-000403 09/116405 US99/15231	06-Jul-1999 16-Jul-1999 16-Jul-1999 06-Jul-1999 16-Jul-1999 16-Jul-1998 06-Jul-1999	6092343	25-Jul-2000

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Case Number	Title	Country	Status	Serial No.	Filing Date	Patent No.	Issue Date
TTC 151	WEATHERABLE BUILDING PRODUCTS	Mexico United States PCT	Pending Pending Pending	PI20001249 09/280605 US00/06376	28-Mar-2000 29-Mar-1999 10-Mar-2000		
TTC 162	COMPRESSION MOLDED DOOR ASSEMBLY	United States	Pending	09/460577	14-Dec-1999		
TTC 166	WEATHERABLE COATING FOR STAINED COMPOSITE THERMOSET OR THERMOPLASTIC SURFACE PLASTIC BUILDING PRODUCTS	United States	Issued	09/313792	18-May-1999	6120852	19-Sep-2000
TTC 169	IMPROVED INSULATED DOOR ASSEMBLY WITH LOW THERMAL DEFLECTION	United States PCT	Pending Pending	09/366137 US00/40366	02-Aug-1999 12-Jul-2000		
TTC 175	WEATHERABLE COATING FOR STAINED COMPOSITE THERMOSET OR THERMOPLASTIC SURFACE PLASTIC BUILDING PRODUCTS	United States	Pending	09/565634	04-May-2000		
TTC 184	COMPRESSION MOLDED DOOR ASSEMBLY	United States	Pending	09/619598	19-Jul-2000		
TTC 185	METHOD, SYSTEM AND COMPUTER SITE FOR SELLING PRE-HUNG DOOR AND SIDELITE CONFIGURATIONS ACROSS A SUPPLY CHAIN HAVING TIERS OF DISTRIBUTED MEMBERS	United States	Pending	09/638690	15-Aug-2000		

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Case Number	Title	Country	Status	Serial No.	Filing Date	Patent No.	Issue Date
TTC 211	INSWING DOOR BOTTOM AND SILL ASSEMBLY	United States	Issued	454737	30-Dec-1982	4411104	25-Oct-1983
TTC 212	ASTRAGAL HOUSING SEAL AND LOCK	United States	Issued	424220	27-Sep-1982	4429493	07-Feb-1984
TTC 213	COMPRESSION MOLDED DOOR ASSEMBLY	Canada	Issued	442718	07-Dec-1983	1238529	28-Jun-1988
		Great Britain	Issued	8332199	02-Dec-1983	2133069	03-Apr-1986
		United States	Issued	594549	29-Mar-1984	4550540	05-Nov-1985
TTC 214	FRAME ASSEMBLY FOR DOORS, WINDOWS AND THE LIKE	United States	Issued	843224	24-Mar-1986	4720951	26-Jan-1988
TTC 218	FRAME ASSEMBLY FOR DOORS, WINDOWS AND THE LIKE	Canada	Issued	600257	19-May-1989	1315157	30-Mar-1993
		Japan	Issued	243562/1989	21-Sep-1989	1962451	24-Nov-1994
		Mexico	Issued	16789	13-Jul-1989	165737	02-Dec-1992
		United States	Issued	247407	21-Sep-1988	4850168	25-Jul-1989
TTC 219	COMPRESSION MOLDED DOOR ASSEMBLY	Canada	Issued	600691	25-May-1989	1330014	07-Jun-1994
		Mexico	Issued	207173	06-Jun-1989	166347	30-Dec-1992
		United States	Issued	207173	15-Jun-1988	4860512	29-Aug-1989
TTC 220	COMPRESSION MOLDED DOOR ASSEMBLY	Canada	Issued	600256	19-May-1989	1330013	07-Jun-1994
		Great Britain	Issued	8912367.1	31-May-1989	2219337	31-May-1989
		United States	Issued	201448	02-Jun-1988	4864789	12-Sep-1989

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Case Number	Title	Country	Status	Serial No.	Filing Date	Patent No.	Issue Date
TTC 221	DOOR ASSEMBLY	United States	Issued	284494	15-Dec-1988	4901493	20-Feb-1990
TTC 222	COMPRESSION MOLDED DOOR ASSEMBLY	Canada	Issued	600692	25-May-1989	1330015	07-Jun-1994
		Japan	Issued	148563/1989	13-Jun-1989	2028308	19-Mar-1996
		United States	Issued	207172	15-Jun-1988	4922674	08-May-1990
TTC 223	METHOD OF FORMING A COMPRESSION MOLDED DOOR ASSEMBLY	United States	Issued	363603	08-Jun-1989	4965030	23-Oct-1990
TTC 224	COMPRESSION MOLDED DOOR ASSEMBLY	United States	Issued	274978	14-Jul-1994	5537789	23-Jul-1996
TTC 227	METHOD, SYSTEM AND WEB-SITE FOR PUBLISHING A HOME BUILDER'S ON-LINE CATALOG OF AVAILABLE HOME MODELS AND ASSOCIATED CONSTRUCTION OPTIONS	United States	Pending		15-Feb-2001		
TTC 228	IMPROVED INSULATED DOOR ASSEMBLY WITH LOW THERMAL DEFLECTION	United States	Pending	09754513	04-Jan-2001		
TTC 229	WEATHERABLE COATING AND STAIN SYSTEM FOR THERMOSET OR THERMOPLASTIC COMPOSITE SURFACES	United States	Pending	09752186	29-Dec-2000		
TTC	ADAPTER ASSEMBLY FOR DEADBOLT PREPARATION	United States	Issued	06271953	26-Apr-1982	4453752	12-Jun-1984
TTC	LIGHT FRAME SYSTEM	United States	Issued	087584550	11-Jan-1996	5644874	08-Jul-1997

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Case Number	Title	Country	Status	Serial No.	Filing Date	Patent No.	Issue Date
TTC	LIGHT FRAME SYSTEM WITH FASTENER CLIPS	United States	Issued	08/747897	13-Nov-1996	5749184	12-May-1998
TTC	DOOR SYSTEM WITH INTERLOCKING PANELS	United States	Issued	07/197956	24-May-1988	4819383	11-Apr-1989
TTC	DOOR SYSTEM WITH INTERLOCKING PANELS	United States	Issued	07/336596	10-Apr-1989	4896458	30-Jan-1990
TTC	TWO PIECE CENTER MULL FOR MULTIPLE DOOR ASSEMBLY	United States	Issued	08/550097	30-Oct-1995	5682715	04-Nov-1997
TTC	ADJUSTABLE DOOR FRAME	United States	Issued	07/858515	27-Mar-1992	5187898	23-Feb-1993
TTC	ADJUSTABLE PLASTIC DOOR FRAME	United States	Issued	08/019567	18-Feb-1993	5345772	13-Sep-1994
TTC	AIR VEHICLE YAW CONTROL SYSTEM	United States	Issued	08/288916	11-Aug-1994	5601257	11-Feb-1997
TTC	DOOR WITH REINFORCED METAL PANELS	United States	Issued	09/050081	30-Mar-1998	6098368	08-Aug-2000
TTC	CLIP MOUNTING SYSTEM FOR DOOR FRAME	United States	Pending	09/290617	13-Apr-1999		
TTC	DOOR FRAME WITH SECURING AND SEALING FLANGE	United States	Pending	09/317995	25-May-1999		