



102695972

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Julian Norley  
Martin David Smalc  
Joseph Paul Capp  
Timothy Clovesko

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

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

Name: Advanced Energy Technology Inc.

Internal Address \_\_\_\_\_

Street Address: 12900 Snow Road

City/State/Zip: Parma, OH ZIP 44130

Additional name(s) &amp; address(es) attached? No

## 3. Nature of conveyance:

Assignment

Execution Date: February 9, 2004

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

A. Patent Application No.(s): 10/685,103

Additional numbers attached? ☐ Yes ☒ No

B. Patent No.(s):

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

Name: WADDEY &amp; PATTERSON

Internal Address: BANK OF AMERICA PLAZA  
SUITE 2020

Street Address: 414 UNION STREET

City: NASHVILLE State: TN Zip: 37219

Customer No. 23456

## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 3.41):..... \$40.00

The fee is authorized to be charged to deposit account

## 8. Deposit account number:

50-1202

(Attach duplicate copy of this page if paying by deposit account.)

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.*

James R. Cartiglia, Reg. No. 30,738

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 7

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents, Mail Stop Assignment Recordation Services  
P.O. Box 1450  
Alexandria, VA 22313-1450

03/15/2004 ECOOPER 00000153 501202 10685103

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40.00 BA

PATENT  
REEL: 015066 FRAME: 0207

## ASSIGNMENT

In consideration of the payment of one (\$1.00) dollar, and for other good and valuable consideration, the receipt of which is hereby acknowledged, Julian Norley, Martin David Smalc, Joseph Paul Capp, Timothy Clovesko, ("Assignors") assign to Advanced Energy Technology Inc. of Parma, Ohio ("Assignee"), their entire right, title, and interest in and to an invention entitled "HEAT SPREADER FOR PLASMA DISPLAY PANEL" (the "Invention"), and in any and all patents, reissue patents, certificates of inventorship, design registrations, utility models, and the like, that may be granted in the U.S. or in any foreign country with respect to the Invention and improvements thereto, and in any application, including continuations, continuations-in-part, or divisions, that may be filed with respect to the Invention or improvements thereto, including pending U.S. Patent Application Serial Number 10/685,103, filed October 14, 2003.

Assignors will, without additional charge to Assignee but at Assignee's expense, cooperate with and assist Assignee such that Assignee may realize and fully enjoy all the rights assigned hereunder, including the preparation and execution of all papers needed by Assignee, and providing such information and assistance as may reasonably be required by Assignee in any administrative or legal proceeding to obtain or protect such rights.

Assignors represent and warrant that they have not publicly used or disclosed the Invention, and that they have not previously sold or offered to sell the Invention.

Assignors represent and warrant that they have not transferred, licensed, and/or assigned any interest in the Invention to anyone other than Assignee, and that they have not entered into any contract, assignment, or license conveying any right granted to Assignee hereunder, or that would otherwise conflict with this Assignment.

This Assignment and each of its terms shall be binding on each Assignor, his representatives, heirs and assigns, and shall inure to the benefit of Assignee, its successors, and assigns.

Julian Norley  
Julian Norley

2/09/04  
Date

STATE OF Ohio  
COUNTY OF Cuyahoga

Before me, Jane Kelly Edler, a Notary Public of the state and county aforesaid, personally appeared Julian Norley, with whom I am personally acquainted, or proved to me on the basis of satisfactory evidence, and who upon oath, acknowledged himself to be the within named joint Assignor, and that he executed the foregoing instrument for the purposes therein contained.

This 9 day of February, 200<sup>4</sup>~~8~~.

Jane Kelly Edler

Jane Kelly Edler  
Notary Public  
State of Ohio  
My Comm. Exp. 2-4-2008

**PATENT**  
**REEL: 015066 FRAME: 0209**

Notary Public

My commission expires: February 4, 2008

Martin D Smalc

Martin David Smalc

1/27/04

Date

STATE OF Ohio  
COUNTY OF Cuyahoga

Before me, Jane Kelly Edler, a Notary Public of the state and county aforesaid, personally appeared Martin David Smalc, with whom I am personally acquainted, or proved to me on the basis of satisfactory evidence, and who upon oath, acknowledged himself to be the within named joint Assignor, and that he executed the foregoing instrument for the purposes therein contained.

This 27 day of January, 200<sup>4</sup>.

Jane Kelly Edler  
Notary Public

My commission expires: February 4, 2008

Jane Kelly Edler  
Notary Public  
State of Ohio  
My Comm. Exp. 2-4-2008

Joseph Paul Capp

Joseph Paul Capp

1/27/04

Date

STATE OF Ohio  
COUNTY OF Cuyahoga

Before me, Jane Kelly Edler, a Notary Public of the state and county aforesaid, personally appeared Joseph Paul Capp, with whom I am personally acquainted, or proved to me on the basis of satisfactory evidence, and who upon oath, acknowledged himself to be the within named joint

Assignor, and that he executed the foregoing instrument for the purposes therein contained.

This 27 day of January, 200<sup>4</sup>.

Jane Kelly Edler  
Notary Public

Jane Kelly Edler  
Notary Public  
State of Ohio  
My Comm. Exp. 2-4-2008

My commission expires: February 4, 2008

Timothy Clovesko  
Timothy Clovesko

2/9/04  
Date

STATE OF Ohio  
COUNTY OF Cuyahoga

Before me, Timothy Clovesko, a Notary Public of the state and county aforesaid, personally appeared Timothy Clovesko, with whom I am personally acquainted, or proved to me on the basis of satisfactory evidence, and who upon oath, acknowledged himself to be the within named joint Assignor, and that he executed the foregoing instrument for the purposes therein contained.

This 9th day of February, 200<sup>4</sup>.

Lori B. Hoffman  
Notary Public

My commission expires: August 9, 2004

LORI B. HOFFMAN  
Notary Public, State of Ohio, Cuy. Cty.  
My Commission Expires Aug. 9, 2004