To the Commissioner of Patents and

1. Name of conveying party(ies):

Hong-Yuan HUANG

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

3. Nature of conveyance:

☒ Assignment  ☐ Merger  ☐ Security Agreement  ☐ Change of Name  ☐ Other

Execution Date:  September 27, 2004 (All of them)

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: September 27, 2004

A. Patent Application No.(s)

11019279

Additional numbers attached?  
☐ Yes  ☒ No

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

Name:  TROXELL LAW OFFICE PLLC

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6. Number of applications and patents involved:

One (1)

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

☐ Enclosed  ☒ Authorized to be charged to deposit account

8. Deposit account number:  501874

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Bruce H. Troxell
Name of Person Signing
Registration No.26,592

Signature

December 23, 2004

Total number of pages including cover sheet, attachments, and documents:

PATENT
REEL: 016124 FRAME: 0045

PATENT
REEL: 023081 FRAME: 0016
ASSIGNMENT

WHEREAS, I (we), Huang, Hong-Yuan

whose post office address(es) appear below, hereinafter referred to as ASSIGNOR, is (are) the owner(s) of certain new and useful improvements in HEATSINK WITH BUILT-IN HEAT PIPES FOR SEMICONDUCTOR PACKAGES (hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

☐ executed on even date herewith
☐ executed on
☐ filed on:
☐ established by PCT International Patent Application No.: Serial No.:

WHEREAS, Advanced Semiconductor Engineering, Inc.

whose post office address is No. 26, Chin 3rd Rd., Nantze Export Processing Zone, Kaohsiung, Taiwan, R.O.C.

desires to own the entire right, title and interest in and to the same in the United States and throughout the world:

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged, I (we), ASSIGNOR, by these presents do sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said INVENTION and application throughout the United States of America, including any and all United States Letters Patent and Invention protected by said application, and the entire right, title and interest in and to said INVENTION throughout the world, including the right to apply for patents and inventor certificates in respect thereof and to claim priority pursuant to rights accorded ASSIGNOR under the terms of the Paris International Convention and all other available international conventions and treaties; and the entire right, title and interest in and to any and all patents, patents of addition, utility models, patents of importation, revalidations, and inventor certificates which may be granted throughout the world in respect of said INVENTION.

ALSO, ASSIGNOR hereby agrees to execute any documents that may be required in connection with the filing, prosecution, and maintenance of said application or any other patent application(s) or inventor certificate(s) in the United States and in foreign countries for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE is and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE’s expense, to identify and communicate to ASSIGNEE at ASSIGNEE’s request documents and information concerning the INVENTION that are within ASSIGNOR’s possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR’s obligations under this instrument shall extend to ASSIGNOR’s heirs, executors, administrators and other legal representatives.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE’s sole use and behalf; and for the use and behalf of ASSIGNEE’s legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes TROXELL LAW OFFICE PLLC to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

Assinger Name: Huang, Hong-Yuan
Address: No. 25, Lane 300, Jingwu Rd., Hengshan City, Kaohsiung County, Taiwan, R.O.C.

Date: September 27, 2004
Signature: Huang, Hong-Yuan

(Notarization preferred but not required)

Before me personally appeared said
free act and deed this day of

Notary Public

My Commission Expires:

☑ Continued on Next page

RECORDED: 12/23/2004

PATENT
REEL: 016124 FRAME: 0046

RECORDED: 12/23/2004

PATENT
REEL: 023081 FRAME: 0017