

07-26-2001

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To the Honorable Commissioner of Patents and Trademarks, U.S. Patent and Trademark Office, attached original documents or copy thereof.

1. Name of conveying party(ies):

**Tzong Da HO**  
**Chien Ping HUANG**

07/14/01

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: **February 8, 2001**

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

Name: **Siliconware Precision Industries Co., Ltd.**

Address:

**No. 123, Sec. 3, Da Fong Road****Tantzu**City: **Taichung**

State/Prov.:

Country: **Taiwan, R.O.C.**

ZIP:

Additional name(s) &amp; address(es)

☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

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

**July 13, 2001**

Patent Application No.

Filing date

B. Patent No.(s)

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Additional numbers

☐ Yes ☒ No

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

Name: **Peter F. Corless**Registration No. **33,860**Address: **EDWARDS & ANGELL, LLP****Dike, Bronstein, Roberts & Cushman, IP Group****P.O. Box 9169**City: **Boston** State/Prov.: **MA**Country: **U.S.A.** ZIP: **02209**

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41):.....\$ **40.00**☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

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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.

**Peter F. Corless**

Name of Person Signing

Signature

**July 13, 2001**

Date

2

Total number of pages including cover sheet, attachments, and

PATENT

REEL: 011997 FRAME: 0639

# ASSIGNMENT OF U.S. PATENT APPLICATION

In consideration of the sum of One Dollar (\$1.00) in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned

Inventor(s)  
Full Name(s)

(1) Tzong Da Ho (2) Chien Ping HUANG

Assignee  
Name and  
Address

hereby sell, assign and transfer to

SILICONWARE PRECISION INDUSTRIES CO., LTD.

No. 123, Sec. 3, Da Fong Rd., Tantz, Taichung, Taiwan, R.O.C.

Title of  
Invention

FLIP-CHIP BALL-GRID-ARRAY PACKAGE WITH EMBEDDED HEAT SINK  
AND METHOD OF FABRICATING THE SAME

which application was

Complete  
either  
a) or b)

a) executed by the undersigned on the . . . . . day of . . . . ., 19 . . . . .  
b) filed on the . . . . . day of . . . . ., 19 . . . . .

Serial No . . . . .  
including any and all United States Letters Patents which may be granted therefore and any and all extensions, divisions, reissues, substitutes, renewals or continuations thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property.

It is hereby authorized and requested that the Commissioner of Patents issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, renewal, and reissue patent applications; execute all rightful other papers; and generally do everything possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection.

Date

Signed at Taichung

this 8th day of February, 2001

Inventor(s)  
Full  
Signature(s)

INVENTOR(S):

Tzong Da Ho

February 8, 2001

Chien Ping Huang

February 8, 2001

Witnesses'  
Full  
Signatures

WITNESSES: