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07-17-2002

U.S. DEPARTMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

TO THE HONORABLE DIRECTOR OF THE UNIT
ORIGINAL DOCUMENTS OR COPY THEREOF.

102159000

ICE. PLEASE RECORD THE ATTACHED

1. Name of conveying party(ies):

2-17-02

Robert F. Darveau; Frederick J. G. Hamilton; Bruce M. Guenin and

Vincent DiCaprio

Additional name(s) of conveying party(ies) attached?

☐

Yes

☒

No

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

Name: Amkor Technology, Inc

Street Address: 1900 South Price Road

City: Chandler

AZ

85248-1604

Country: USA

3. Nature of Conveyance:

☐

Assignment

☐

Merger

☐

Security Agreement

☐

Change of Name

☒

Other

CorrectiveExecution Date: July 31, 2001 and August 2, 2001

Name and address of receiving party(ies):

Name:

Street Address:

City:

State:

Zip:

Country:

Additional name(s) & address(es) attached?

☐

Yes

☒

No

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) - 09/923,834Title: Embedded Heat Spreader Ball Grid Array

B. Patent No.(s)

Additional numbers attached?

☐

Yes

☒

No

5. Name and address of party to whom correspondence
concerning document should be mailed:Name: James E. ParsonsInternal Address: SKJERVEN MORRILL MacPHERSON LLPStreet Address: 25 METRO DRIVE, SUITE 700City SAN JOSE State CA Zip 951106. Total number of applications and patents involved: One

7. Total fee (37 CFR 3.41):

\$40.00

☒

Authorized to be charged to Deposit Account 19-2386

☒Charge Deposit Account 19-2386 for any additional fees
required for this conveyance and credit deposit account
19-2386 any amounts overpaid

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8. 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.

Gary T. Edwards, for

James E. Parsons

34,691

Name of Person Signing

Gary T. Edwards (91,008)

Signature

7/17/02

Date

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

08-16-2001

EL 9222456879 US



101813878

ATTORNEY DOCKET NO: M-10996 US

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

HEET

TO THE HONORABLE DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE, PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS OR COPY THEREOF.

JEMARK OFFICE, PLEASE RECORD THE ATTACHED

1. Name of conveying party(ies):

Robert F. Darveaux; Frederick J. G. Hamilton; Bruce M. Guepin and

Vincent DiCaprio

Additional name(s) of conveying party(ies) attached?

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Yes

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July 31, 2001 and August 2, 2001

A. Patent Application No.(s) -

Title: Embedded Heat Spreader Ball Grid Array

B. Patent No.(s)

Additional numbers attached?

☐

Yes

☒

No

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

Name: Tom Chen

Internal Address: SKJERVEN MORRILL MacPHERSON LLP

Street Address: 25 METRO DRIVE, SUITE 700

City: SAN JOSE

State: CA

Zip: 95110

6. Total number of applications and patents involved: One

7. Total fee (37 CFR 3.41):

\$40.00

☒

Authorized to be charged to Deposit Account 19-2386

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Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid

8/15/2001 AHMED1 00000040 192386 09923834

FC:581 40.00 CH

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8. 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.

Tom Chen

42,406

Name of Person Signing

Signature

August 7, 2001

Date

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

Attorney Docket No.: M-10996 US

ASSIGNMENT

For good and valuable consideration, receipt of which is hereby acknowledged, we, ROBERT F. DARVEAUX, FREDERICK J. G. HAMILTON, BRUCE M. GUENIN and VINCENT DiCAPRIO, hereby sell, assign and transfer to Amkor Technology, Inc., a Delaware corporation, having a place of business at 1900 South Price Road, Chandler, Arizona 85248-1604, its successors and assigns, the entire right, title and interest throughout the world in our invention in:

EMBEDDED HEAT SPREADER BALL GRID ARRAY

for which we have executed a United States patent application on or about the date of this assignment, and all patent applications and patents of every country for said invention, including divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said applications; we authorize the above-named assignee to apply for patents of foreign countries for said invention, and to claim all rights of priority without further authorization from us; we agree to execute all papers useful in connection with said United States and foreign applications, and generally to do everything possible to aid said assignee, their successors, assigns and nominees, at their request and expense, in obtaining and enforcing patents for said invention in all countries; and we request that the United States Patent and Trademark Office issue all patents granted for said invention to the above-named assignee, its successors and assigns.

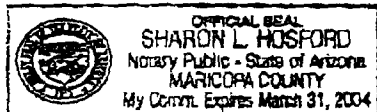
Executed this 2nd day of August, 2001.



Robert F. Darveaux

State of Arizona)
County of Maricopa) ss.

On 8/2/01 before me, Sharon L. Hosford
personally appeared Robert Darveaux personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.

WITNESS my hand and official seal.



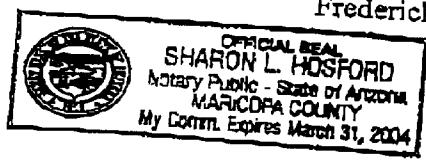

SIGNATURE OF NOTARY

Executed this 31 day of July, 2001.

Frederick J. G. Hamilton
Frederick J. G. Hamilton

State of Arizona
County of Maricopa

SS.



On 07/31/01 before me, Sharon L. Hosford
personally appeared Frederick Hamilton personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.

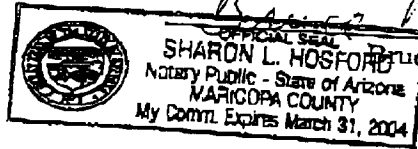
WITNESS my hand and official seal.
Sharon L. Hosford
SIGNATURE OF NOTARY

Executed this 31st day of July, 2001.

Bruce M. Guerin
Bruce M. Guerin

State of Arizona
County of Maricopa

SS.



On 7/31/01 before me, Sharon L. Hosford
personally appeared Bruce Guerin personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
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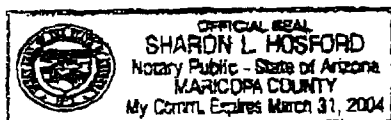
WITNESS my hand and official seal.
Sharon L. Hosford
SIGNATURE OF NOTARY

Executed this 2nd day of August, 2001.

Vincent DiCaprio
Vincent DiCaprio

State of Arizona)
County of Maricopa) ss.

On 8/2/01 before me, Sharon L. Hosford
personally appeared Vincent DiCaprio personally
known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose
name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s)
acted, executed the instrument.



WITNESS my hand and official seal.

Sharon L. Hosford
SIGNATURE OF NOTARY