Jul-17-02 15:29 From-SKJERVEN MORRILL LLP	+4084537979 T-567 P.002/008 F-085	
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1. Name of conveying party(ies): 2-17-02	2. Name and address of receiving party(ies):	
Robert F. Darveaux; Frederick J. G. Hamilton; Bruce M. Guenín and	Name: Amkor Technology, Inc	
Vincent DiCaprio	Street Address: 1900 South Price Road	
Additional name(s) of conveying party(ies) attached?	City: Chandler AZ 85248-1604	
🗌 Yes 🛛 No	Country: USA	
3. Nature of Conveyance:	Name and address of receiving party(ies):	
Assignment Merger	Name:	
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4. Application number(s) or patent number(s):		
If this document is being filed together with a new application, the	ne execution date of the application is:	
A. Patent Application No.(s) - 09/923,834	B. Patent No.(\$)	
Title: Embedded Heat Spreader Ball Grid Array		
A	bers attached? Yes No	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: <u>One</u>	
Name: James E. Parsons		
Internal Address: SKJERVEN MORRILL MacPHERSON LLP		
Street Address: 25 METRO DRIVE, SUITE 700	7. Total fee (37 CFR 3.41): \$40.00	
City <u>SAN JOSE</u> State <u>CA</u> Zip <u>95110</u>	57	
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Gary J. Edwards, for James E. Parsons 34,691	41 (11 008) 7/17/02	
Name of Person Signing	Signature Date nber of pages including cover sheet, attachments, and documents:	
382290		

PATENT REEL: 013080 FRAME: 0504

Jul-17-02 15:29 From-SKJERVEN MORRILL LLP	+4084537979 T-567 P.005/008 F-085
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Robert F. Darveaux; Frederick J. G. Hamilton; Bruce M. Guerin	
Vinent DiCaprio	Street Address: 1900 South Price Road
Additional name(s) of conveying party(las) attached?	City: Chandler AZ 85248-1604 No Country: USA
3. Nature of Conveyance:	Name and address of receiving party(les);
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Security Agreement Change of Name	Street Address:
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09192383	Additional name(s) & address(es) attached?
4. Application number(s) or patent number(s);	-/
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If this document is being filed together with a new app	lication, the execution date of the application is:
If this document is being filed together with a new app July 31, 2001 and August 2, 2001	plication, the execution date of the application is:
July 31, 2001 and August 2, 2001	
A. Patent Application No.(S) -	B. Patent No.(s)
July 31, 2001 and August 2, 2001	B. Patent No.(\$)
July 31, 2001 and August 2, 2001 A. Patent Application No.(s) - Title: Embedded Heat Spreader Ball Grid Array	
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July 31, 2001 and August 2, 2001 A. Patent Application No.(s) - Title: Embedded Heat Spreader Ball Grid Array Addit 5. Name and address of party to whom correspondence concerning document should be mailed:	B. Patent No.(\$)
July 31, 2001 and August 2, 2001 A. Patent Application No.(s) - Title: Embedded Heat Spreader Ball Grid Array Addit 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Tom Chen	B. Patent No.(\$) tional numbers attached? Yes No 6. Total number of applications and patents involved: One
July 31, 2001 and August 2, 2001 A. Patent Application No.(s) - Title: Embedded Heat Spreader Ball Grid Array Addit 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Tom Chen nternal Address: <u>SKJERVEN MORRILL MacPHERSON Luc</u>	B. Patent No.(\$) Itional numbers attached? Yes No 6. Total number of applications and patents involved: One P
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July 31, 2001 and August 2, 2001 A. Patent Application No.(s) - Title: Embedded Heat Spreader Ball Grid Array Addit 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Tom Chen Internal Address: SKJERVEN_MORRILL_MacPHERSON LU Street Address: 25 METRO DRIVE, SUITE 700	B. Patent No.(\$) tional numbers attached? Yes No 6. Total number of applications and patents involved: One 9 7. Total fee (37 CFR 3.41): \$40.00 Authorized to be charged to Deposit Account 19-2385 Scharge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account
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July 31, 2001 and August 2, 2001 A. Patent Application No.(s) - Title: Embedded Heat Spreader Ball Grid Array Addit 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Tom Chen Internal Address: SKJERVEN MORRILL MacPHERSON LL Street Address: 25 METRO DRIVE, SUITE 700 City SAN JOSE State City SAN JOSE State City SAN JOSE State City SAN JOSE State City State 40.00 CH DO N B. Statement and signature. DO N B. Statement and signature. To the best of my knowledge and belief, the foregoing original document. Tom Chen 42,406 Name of Person Signing	B. Patent No.(s) tional numbers attached? Yes No 6. Total number of applications and patents involved: One 9 7. Total fee (37 CFR 3.41): \$40.00 Image: Authorized to be charged to Deposit Account 19-2386 Second 19-2386 Image: Charge Deposit Account 19-2386 for any additional fees required for this conveyance and credit deposit account 19-2386 any amounts overpaid IOT USE THIS SPACE

PATENT REEL: 013080 FRAME: 0505 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 2^{4} day of	Ang a 5 7
	Reft France
A	Robert F. Darveaux
State of <u>Arizona</u>)	
State of <u>Arizona</u>)) ss. County of <u>Maric</u> (A)	

personally appeared <u>Robert</u> <u>Darvenux</u> 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.

before me,

WITNESS my hand and official seal.

Shaon

SHARON L. HOSFORD NOTATIV Public - State of Arizona MARICOPA COUNT My Comm. Expires March 31, 2004

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Executed this 3/ day of JULY
, 2001.
Field I h
Frederick J. G. Hamilton
State of Arizon a SHARON L HOSFORD
State of <u>Arizona</u>)) ss. County of <u>Maricopa</u>) SHARON L. HOSFORD MOTORY PLANE - State of Arcona MARICOPA COLINIY My Comm. Expires March 31, 2004
personally and the belove ine.
name(s) is(are) subject to me on the basis of satisfactory evidences in the personally
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 babally for the instrument the person(s).
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 bord
SIGNATURE OF NOTARY
Executed this 3/57 day of July
, 2001.
State of Arizona) SHARON L. HOSFOADude McGuenin
LA ADDODUCE AND A ADDODUCE
The starts March 31, 2004
on /3101 before me, Sharon L. Hostor d
known to me or proved to me on the basis of satisfactory evidence to here personally
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 authorized capacity acted executed the instrument the person(s), or the entity upon help is 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.
Sharont Hoskord
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Executed this 2" day of _ 2001.

State of Arizona SS. County of Maricapay 8 · On

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before me, Vilascio personally appeared Uincent 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.

3



WITNESS my hand and official seal.

SIGNATUI

RECORDED: 02/17/2002