

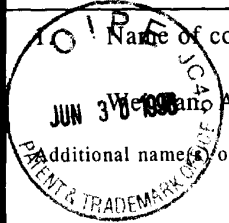
07-13-1998



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

MED 6-30-98



1. Name of conveying party(ies):
MKE-Quantum Components LLC, Ann Kang, and Jerome Marcelino
Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)
Name: MKE-Quantum Components LLC
Street address: 1450 Infinite Drive
Louisville, CO 80027
Additional name(s) & address(es) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: May 14, June 8, and June 19, 1998

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: _____
09/064,212, filed April 22, 1998
B. Patent No.(s)
Additional numbers attached? Yes No

5. Name and Address of party to whom correspondence concerning document should be mailed:
William J. Kubida
Holland & Hart LLP
P.O. Box 8749
555-17th Street, #3200
Denver, CO 80202

6. Total number of applications and patents involved: 1
7. Total fee (37 CFR 3.41)\$ 40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number:
(Attach duplicate copy of this page if paying by 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.
Robert G. Crouch Name of Person signing
[Signature] Signature
June 30, 1998 Date

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231



PATENT
Client/Matter No. M98-1005-US1
Attorney Docket No. 39985.2221 (830003.000)
EXPRESS MAIL NO. EM202126300US

ASSIGNMENT

WHEREAS, we, Wei Pan, Ann Kang, and Jerome Marcelino, having residence addresses of 449 S. Cherrywood Drive, Lafayette, Colorado 80027, 2751 Caribou Way, Pocatello, Idaho 83201, and 100 Augusta Street, San Francisco, California 94124, respectively, have made a certain new and useful invention relating to a Thin Encapsulation Process for Making Thin Film Read/Write Heads, for which we are making or have made application for Letters Patent of the United States, said application being identified by Serial No. 09/064,212, filed April 22, 1998, and Client/Matter No. M98-1005-US1, in the law firm of Holland & Hart LLP, 555 Seventeenth Street, Suite 2900, Denver, Colorado, and which is executed concurrently herewith, and

WHEREAS, we now own the entire right, title and interest therein; and

WHEREAS, MKE-Quantum Components, LLC, a Delaware limited liability company, whose post office address is 1450 Infinite Drive, Louisville, Colorado 80027, is desirous of acquiring the entire interest in and to said invention, said application, and the Letters Patent to be obtained therefor;

NOW THEREFORE, we have sold, assigned, and set over, and by these presents do hereby sell, assign, and set over, unto the said MKE-Quantum, and said assignee's legal representatives, successors, and assigns, the entire right, title, and interest in and to said invention, said application, and the Letters Patent, both foreign

and domestic, that may or shall issue thereon; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to the above-mentioned assignee, consistent with the terms of this Assignment.

UPON SAID CONSIDERATION, we do hereby covenant and agree with the said assignee that we will not execute any writing or do any act whatsoever conflicting with these presents, and that we will, at any time upon request, without further or additional consideration, but at the expense of the said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, renewal, reissued or extended Letters Patent of the United States, or of any and all foreign countries, on said invention, and in enforcing any rights or choices in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representatives of both parties.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals on the date hereinafter set forth.

Date: May 14, 1998

x 

Wei Pan

Date: 6/18, 1998

X Ann Kang
Ann Kang

Date: 6/19, 1998

X Jerome Marcelino
Jerome Marcelino

STATE OF COLORADO)
)
COUNTY OF Denver) ss.

On this 19 day of June, 1998, before me, a notary public in and for said county, appeared Wei Pan, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires 11/13/99.

Witness my hand and official seal.

(SEAL)

James Steel
Notary Public

STATE OF IDAHO)
)
COUNTY OF Bannock) ss.

On this 8 day of June, 1998, before me, a notary public in and for said county, appeared Ann Kang, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires 1-28-2003.

Witness my hand and official seal.

(SEAL)

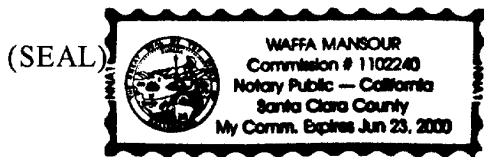
Arita D Rotert
Notary Public

STATE OF CALIFORNIA)
)
COUNTY OF SANTA CLARA) ss.

On this 22 day of June, 1998, before me, a notary public in and for said county, appeared Jerome Marcelino, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and acknowledged that he signed, sealed, and delivered the same instrument as a free and voluntary act for the uses and purposes therein set forth.

My commission expires June 23, 2000.

Witness my hand and official seal.



Waffa Mansour
Notary Public