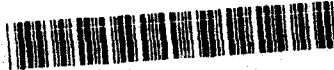


# EXHIBIT 31

10-06-2003

Form PTO-1595 (Rev. 10/02) RE  
OMB No. 0651-0027 (exp. 6/30/2005)  
Tab settings



102567401

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):  
YEN-CHANG CHIU; TING-HAO YEH;  
YUNG-LIEH CHIEN; SHIH-CHI LIN

9.24.03

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

Internal Address:

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

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Street Address: No. 12, Innovation 1st Rd.,  
Science-Based Industrial Park

City: Hsin-Chu City, Taiwan, R.O.C.

Execution Date: 9/5/2003

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

10668352

If this document is being filed together with a new application, the execution date of the application is: 9/5/03

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

Name: Morton J. Rosenberg, Esq.

Internal Address: Rosenberg, Klein & Lee

Street Address: 3458 Ellicott Center Drive,

Suite 101

City: Ellicott City State: MD Zip: 21043

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:

18-2011

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9. Signature.

Morton J. Rosenberg  
Name of Person Signing

Morton J. Rosenberg  
Signature

9/23/03  
Date

Total number of pages including cover sheet, attachments, and documents: 2

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

ASSIGNMENT DEEM

This Assignment agreement is applicable to an invention entitled (invention title) CAPACITIVE TOUCHPAD INTEGRATED WITH KEY AND HANDWRITING FUNCTIONS

The PATENT RIGHTS referred to in this agreement are:

- (Check one) [X] a Patent Application for this invention, executed by the ASSIGNOR(s) concurrently with this Assignment
[ ] U.S. Patent Application Serial No. \_\_\_\_\_, filed \_\_\_\_\_
[ ] U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

The PATENT RIGHTS assigned under this agreement are:

- (check one) [ ] U.S. Patent rights only
[X] worldwide Patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date any U.S. Patent Application identified above.

The ASSIGNOR(s) referred to in this agreement is (or are):

(Full name of first assignor) Yen-Chang Chiu
(Address) 10Fl.-1, No. 4, Lane 226, Renai Rd., Linkou Shiang, Taipei, Taiwan 244, R.O.C.

(Full name of second assignor, if any) Ting-Hao Yeh
(Address) No.14, Chongming 12th St., East District, Tainan City 701, Taiwan (R.O.C.)

(Full name of third assignor, if any) Yung-Lieh Chien
(Address) No.9, Jhongsing St., Taoyuan City, Taoyuan County 330, Taiwan (R.O.C.)

(Full name of fourth assignor, if any) Shih-Chi Lin
(Address) No.22, Bo-ai Rd., Madou Township, Tainan County 721, Taiwan (R.O.C.)

The first ASSIGNEE referred to in this agreement is:

(Name of Assignee) ELAN MICROELECTRONICS CORPORATION
(Address of Assignee) NO. 12, INNOVATION 1ST RD., SCIENCE-BASED INDUSTRIAL PARK, HSIN-CHU CITY, TAIWAN, R.O.C.

The second ASSIGNEE referred to in this agreement is:

(Name of assignee)
(Address of Assignee)

The first ASSIGNEE is:

- (Check one) [ ] an individual
[ ] a partnership
[X] a Corporation of Taiwan, R.O.C. (State or Country)

The second ASSIGNEE is:

- (Check one) [ ] an individual
[ ] a partnership
[ ] a Corporation of \_\_\_\_\_ (State or Country)
[ ] Additional assignees are being named on separately numbered sheets attached hereto.

The ASSIGNOR(s), in consideration of \$1.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following to each ASSIGNEE; their successors and assigns:

the full and exclusive right to the invention;
an equal interest in and to the entire right, title and interest in and to the PATENT RIGHTS in the invention, all continuations, continuations-in-part, divisionals, re-issues, and re-examination patents and patent applications;
and the right to claim priority under 35 U.S.C. 119, based on any earlier foreign applications for this invention.

As to all U.S. Patent Applications assigned under this Agreement, the ASSIGNOR(s) hereby authorize(s) and requests the Director of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE(s) as the ASSIGNEE(s) of an equal interest in the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE(s), their successors and assigns.

Further, the ASSIGNOR(s) agree(s) to communicate to said ASSIGNEE(s), or their representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, substitute, renewal, reexamination, and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE(s), made all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE(s), their successors and assigns, to obtain and enforce proper protection for said invention.

Yen-Chang Chiu YEN-CHANG CHIU (CHIU IS September 5, 2003
(Signature of sole or first assignor) FAMILY NAME) (Date)
Ting-Hao Yeh TING-HAO YEH (YEH IS FAMILY September 5, 2003
(Signature of second assignor, if any) NAME) (Date)
Yung Lieh Chien YUNG-LIEH CHIEN (CHIEN IS September 5, 2003
(Signature of third assignor, if any) FAMILY NAME) (Date)
SHIH-CHI-LIN SHIH-CHI LIN (LIN IS September 5, 2003
(Signature of fourth assignor, if any) FAMILY NAME) (Date)