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

05-11-2007



ET

To the Director of the U.S. Patent and

103404534

documents or the new address(es) below.

## 1. Name of conveying party(ies)

JOEL C. KENT; JAMES L. AROYAN; TING GAO; YOSHIKAZU  
TANAKA and DANIEL H. SCHARFFAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

## 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 4/19/2007; 4/20/2007; 4/19/2007; 4/25/2007; 4/20/2007,  
respectively☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other \_\_\_\_\_

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

Name: Tyco Electronics Corporation

Internal Address: \_\_\_\_\_

2901 Fulling Mill Road

Street Address: \_\_\_\_\_

City: MiddletownState: PennsylvaniaCountry: USZip: 17057Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

4/27/007 ZABUBEKE 00000037 11789776

1 FC:021

40.00 OP

Additional numbers attached? ☐ Yes ☒ No

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

Name: Marguerite E. GerstnerInternal Address: TYCO ELECTRONICS CORPORATIONStreet Address: 307 Constitution DriveCity: Menlo ParkState: CaliforniaZip: 94025-1164Phone Number: (650) 361-2483

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00☒ Authorized to be charged by credit card☒ Authorized to charge Deposit Account with any additional fees or credit overpayments☐ None required (government interest not affecting title)

## 8. Payment Information

a. Credit Card Last 4 Numbers 0189Expiration Date 01/09b. Deposit Account Number 50-3858Authorized User Name Evan Reno Sotiriou

## 9. Signature:

Signature

April 25, 2007

Date

Evan Reno Sotiriou

Name of Person Signing

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

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Atty. Dkt. No.: E-CC-00273 (SPLG 3020)

PATENT

REEL: 019292 FRAME: 0527

## ASSIGNMENT

We, **JOEL C. KENT**, 35937 Gaskell Court, Fremont, CA 94536, **JAMES L. AROYAN**, 1471 Creekview Lane, Santa Cruz, CA 95062, **TING GAO**, 1055 Escalon Ave., Apt. 902, Sunnyvale, CA 94085, **YOSHIKAZU TANAKA**, Nagasawa-terrace A-1, 1-14-13, Ushikubo-nishi, Tazuki-ku, Yokohama Kanagawa, 224-0015 Japan, and **DANIEL H. SCHARFF**, 926 Arbor Drive, San Leandro, CA 94577, have made certain inventions or discoveries (or both) set forth in an application for Letters Patent of the United States of America entitled:

### A TOUCHSCREEN FOR DETECTING MULTIPLE TOUCHES

which application was executed by the inventors on the date of execution of this assignment, and is identified by Attorney Docket No. E-CC-00273 (SPLG 3020US1) and Tyco Electronics Corporation whose address is 2901 Fulling Mill Road, Middletown, PA 17057 and which, together with its successors and assigns is hereinafter called "Assignee," is desirous of acquiring title, rights, benefits and privileges hereinafter recited, and of confirming the same or any part thereof heretofore acquired by Assignee.

**NOW, THEREFORE**, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation:

1. Assign and convey to and confirm in Assignee the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and Convention applications based in whole or in part upon said inventions or discoveries or upon said applications, and any and all Letters Patent and reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;
2. Authorize Assignee to file patent applications in any or all countries on any or all of said inventions and discoveries in our name(s) or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise;
3. Authorize and request the Commissioner of Patents of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title and interest therein or otherwise as Assignee may direct;
4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications or patents or any license to use the same or to make, use or sell

anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance;

5. Bind our heirs and legal representatives, as well as ourselves, to do, upon Assignee's request and at its expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by me/us or my/our heirs or representatives if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples and other physical exhibits in our control or in the control of our heirs or legal representatives and which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

The effective date of this instrument is the latest date accompanying signature(s), hereinbelow.

IN TESTIMONY WHEREOF, we have affixed our signature(s).

FIRST INVENTOR:

Joel C. Kent  
JOEL C. KENT

Date: April 19, 2007

SECOND INVENTOR:

James L. Aroyan  
JAMES L. AROYAN

Date: April 20, 2007

THIRD INVENTOR:

Ting Gao  
TING GAO

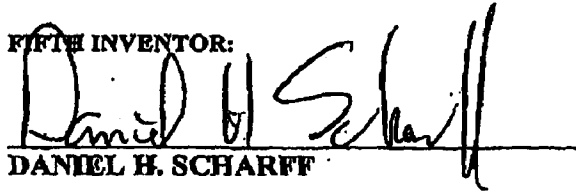
Date: April 19, 2007

FOURTH INVENTOR:

Yoshikazu Tanaka  
YOSHIKAZU TANAKA

Date: April 25, 2007

FIFTH INVENTOR:

  
DANIEL H. SCHARFF

Date: 4/20/07