FORM PTO-1619A Expires 06/30/99

MBO 11.09.99

11-22-1999



101205823

U.S. Department of Commerce Patent and Trademark Office

PATENT

RECORDATION FORM COVER SHEET

| | | PATENTS ONL | _ <u>Y</u> | | | | | | |
|--------------------|----------------------------------|----------------------------|--|---|--|--|--|--|--|
| | ssioner of Patents and Trademark | s: Please record the | attached original doc | cument(s) or copy(ies). | | | | | |
| Submission 1 | Гуре | Conveyance Typ | e | | | | | | |
| X New | | X Assignment | Security Agr | reement | | | | | |
| Resubmiss Document | ion (Non-Recordation) ID# | License Change of Name | | | | | | | |
| Correction Reel # | of PTO Error Frame # | Merger | Other U.S. Government of the ONLY by U.S. Government of the U.S | nt (market) | | | | | |
| Reel # | Frame # | l — | partmental File | Secret File | | | | | |
| Conveying Pa | arty(ies) | Mark if additional | names of conveying pa | | | | | | |
| Name (line 1) | Oh, Soon Hee | | | Month Day Year 10011999 | | | | | |
| Name (line 2) | , | | | | | | | | |
| Second Party | | | | Execution Date Month Day Year | | | | | |
| Name (line 1) | | 091 | 436822 | | | | | | |
| Name (line 2) | | | | | | | | | |
| Receiving Pa | rty | M | ark if additional names | of receiving parties attached | | | | | |
| Name (line 1) | SAMSUNG ELECTRO-MECHANI | CS CO., LTD. | | If document to be recorded is an assignment and the | | | | | |
| Name (line 2) | | | | receiving party is not domiciled in the United States, an appointment | | | | | |
| Address (line 1) | 314 Maetan-dong, Paldal | -ku, Suwon-si | | of a domestic representative is attached. (Designation must be a | | | | | |
| Address (line 2) | | | | separate document from Assignment.) | | | | | |
| Address (line 3) | Kyungki-do | Republic of Ko | rea | ip Code | | | | | |
| Domestic Re | presentative Name and A | State/Country ddress Enter | for the first Receiving Pa | | | | | | |
| | | | | | | | | | |
| Name | | | | | | | | | |
| Address (line 1) | | | | | | | | | |
| Address (line 2) | | | | | | | | | |
| Address (line 3) | - <u> </u> | | | | | | | | |
| <u></u> | | | | | | | | | |
| Address (line 4) | | | | | | | | | |
| | | FOR OFFICE USE ONL | Y | | | | | | |
| | | | | | | | | | |
| ļ | | | | | | | | | |

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to: Mail documents to be recorded with required cover sheet(s) information to:

Commissioner of Patents and Trademarks, Box Assignments , Washington, D.C. 20231

PATENT

REEL: 010387 FRAME: 0222

| FURM PTO Expires 06/30/99 OMB 0651-0027 | 1-1619B | Page 2 | U.S. Department of Commerce Patent and Trademark Office PATENT | | | | | |
|---|---|---|--|--|--|--|--|--|
| Corresponde | ent Name and Address | Area Code and Telephone Number | er (216) 621–1113 | | | | | |
| Name [| Don W. Bulson, Esq. | | | | | | | |
| Address (line 1) | Renner, Otto, Boisselle & Sklar, P.L.L. | | | | | | | |
| Address (line 2) | 1621 Euclid Avenue | | | | | | | |
| Address (line 3) | Nineteenth Floor | | | | | | | |
| Address (line 4) | Cleveland, Ohio 44115 | | | | | | | |
| Pages | Enter the total number of pagincluding any attachments. | ges of the attached conveyance doo | eument # 2 | | | | | |
| • • | Number(s) or Patent Num | | k if additional numbers attached | | | | | |
| _ | | atent Number (DO NOT ENTER BOTH numb | • • • | | | | | |
| Pate | ent Application Number(s) | Pat | ent Number(s) | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | being filed together with a <u>new</u> Paten t named executing inventor. | t Application, enter the date the patent application | eation was Month Day Year 10011999 | | | | | |
| Patent Coop | eration Treaty (PCT) | PCT PCT | PCT | | | | | |
| Enter PCT application number | | | | | | | | |
| | if a U.S. Application Number not been assigned. | PCT PCT PCT | PCT | | | | | |
| Number of P | roperties Enter the tota | al number of properties involved. | # 1 | | | | | |
| Fee Amount | Fee Amount fo | or Properties Listed (37 CFR 3.41): | \$ 40.00 | | | | | |
| Method o | of Payment: Enclo | sed X Deposit Account | | | | | | |
| (Enter for | payment by deposit account or if addit | ional fees can be charged to the account.) eposit Account Number: | # | | | | | |
| | A | uthorization to charge additional fees: | Yes No | | | | | |
| | nd Signature | | | | | | | |
| To the | best of my knowledge and be ed copy is a true copy of the o | lief, the foregoing information is tru riginal document. Charges to depo | ne and correct and any sit account are authorized, as | | | | | |
| indicat | red herein. | 7 | _ | | | | | |
| Don W. Bu | lson | Omwi Dr | Mw.9,1995 | | | | | |
| | of Person Signing | Signature | Date | | | | | |
| Reg. No. | 28,192 | | | | | | | |

PATENT REEL: 010387 FRAME: 0223

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS:

Soon Hee Oh 1307-67, Sankyuk-3-dong, Buk-ku, Taegu-si, Republic of Korea

(hereinafter referred to as ASSIGNOR), has invented a certain invention entitled: CHIP DEVICE, AND METHOD OF MAKING THE SAME for which application for Letters Patent of the United States has been executed even date herewith

WHEREAS:

SAMSUNG ELECTRO-MECHANICS CO., LTD. 314 Maetan-dong, Paldal-ku, Suwon-si, Kyungki-do, Republic of Korea

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor.

Now, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for One Dollar(\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE, its successors and assigns, the entire right, title and interest to said invention so far as concerns the United States and the Territories and Possessions thereof, said application and all Letters Patent of the United States to be obtained on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers,

PATENT REEL: 010387 FRAME: 0224

| instru | ıments | or | affidavits | required | to | apply | for, | obtair | n, maint | ain and | d enfo | rce |
|--|---------|------|------------|-----------|----|--------|------|--------|----------|---------|--------|-----|
| said | applica | atio | n, said | invention | an | d said | d Le | etters | Patent | which | may | be |
| necessary or desirable to carry out the purposes hereof. | | | | | | | | | | | | |

Date Oct 1, 1999

Soon Hee Oh

PATENT
RECORDED: 11/09/1999 REEL: 010387 FRAME: 0225