

08-21-1998

DT-2731



T

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Honorable Commissioner of Pat

100797627

Attached original documents or copy thereof.

## 1. Name of conveying party(ies)

Chang-Min Kwak

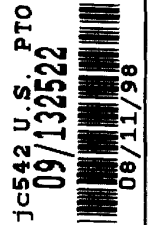
Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: Daewoo Electronics Co., Ltd.

Internal Address:

Street Address: 541, 5-Ga, Namdaemoon-Ro  
Jung-GuCity: Republic of KoreaAdditional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒ Assignment  
☐ Security Agreement  
☐ Merger  
☐ Change of Name  
☐ Other

Execution Date: July 6, 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: July 6, 1998.

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:  
Internal Address: ANDERSON, KILL & OLICK, P.C.Street Address: 1251 Avenue of the Americas  
44th Floor  
City: NEW YORK State: N.Y. Zip: 10020-1182

## 6. Total number of applications and patents involved . . . . .

17. Total fee (37 CFR 3.41) . . . . . \$ 40.00  
☒ Enclosed  
☐ Authorized to be charged to deposit account #01-19448. Deposit account number: 01-1944  
(Attach duplicate copy of this page if paying by deposit account)

Do not use this space

## 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.

Alexander Zinchuk

Name of Person Signing

Alexander Zinchuk

Signature

August 11, 1998

Date

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

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

08/21/1998 DNGUYEN 00000054 011944 09132522

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

01 FC:581

40.00 CH

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011), Washington, D.C. 20503.

SOLE

ASSIGNMENT

WHEREAS, I, **Chang-Min Kwak**, ASSIGNOR, a citizen of **Republic of Korea**, residing at **Video Research Center, Daewoo Electronics Co., Ltd., 541, 5-Ga, Namdaemoon-Ro, Jung-Gu, Seoul, Korea**, am the inventor of the invention in **MOTION ESTIMATION METHOD AND APPARATUS EMPLOYING SUB-SAMPLING TECHNIQUE** for which I have executed an application for a Patent of the United States

- ☒ which is executed on ☒ even date herewith or ☐ \_\_\_\_\_ (date)  
☐ which is identified by Anderson Kill & Olick, P.C. docket no. \_\_\_\_\_  
☐ which was filed on \_\_\_\_\_, Serial No. \_\_\_\_\_

and WHEREAS, **Daewoo Electronics Co., Ltd., 541, 5-Ga, Namdaemoon-Ro, Jung-Gu, Seoul, Korea**, ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (US\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal the day and year set opposite my signature.

Date July 6, 1998 Kwak Chang-Min L.S.