

FORM PATENT OFFICE-1595
(Rev. 6-93)

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09-28-1998

U.S. DEPARTMENT OF
Patent and Trademark

OMB No. 0651-0011 (exp. 4/94)

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To the Honorable Commissioner of Patents at

1. Name of conveying party(ies):
Gordon K. Ngo, Se Hyeon Rhee
and Senthil Kumar ViswanathanAdditional name(s) of conveying party(ies)
attached? Yes X No3. Nature of conveyance: 9-18-98
X Assignment Merger
Security Agreement Change of Name
Other
Execution Date:2. Name and address of receiving party(ies):
SAMSUNG ELECTRONICS CO., LTD.Internal Address: 416, Maetan-dong,
Paldal-gu
Suwon-city, Kyungki-do
Republic of Korea
Street Address: 416, Maetan-dong,
Paldal-gu
Suwon-city, Kyungki-do
Republic of KoreaAdditional name(s) & address(es)
attached? Yes X No4. Application number(s) or patent number(s): 09156248

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

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes X No5. Name and address of party to whom
correspondence concerning document should
be mailed:Steven R. Greenfield
Jenkins & Gilchrist
1445 Ross Avenue, Suite 3200
Dallas, Texas 75202-27996. Total number of applications and patents
involved: 17. Total fee (37 C.F.R. 3.41):.... \$ 40.00X EnclosedAuthorized to be charged to deposit
account

8. Deposit account number:

10-0447(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.

Steven R. Greenfield Reg. No. 38,166

Name of Person Signing

Signature

Date

09/23/1998 SCHAPMAN 00000054 09156248

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Total number of pages including cover sheet, attachments, and document: 3Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, does hereby:

SELL, ASSIGN AND TRANSFER to **SAMSUNG ELECTRONICS CO., LTD.**, (the "Assignee"), a corporation organized and existing under the laws of the Republic of Korea, and having its principal place of business at: 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned, filed on Sept 18, 1998, assigned United States Serial No. unknown because filed herewith, and is entitled: **METHODS AND APPARATUS FOR FLEXIBLE DEVICE INTERFACE PORT ASSIGNMENT IN A DATA COMMUNICATIONS SWITCHING SYSTEM**, such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others

by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, that when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for securing, maintaining and enforcing proper patent protection for such improvements and for vesting title to such improvements in the Assignee;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Executed on the date(s) below indicated:

I have hereunto set my signature this 17th day of Sept., 1998.

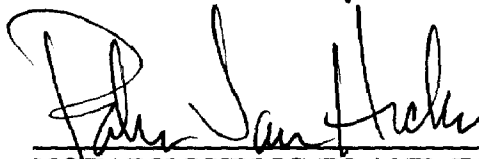


Gordon K. Ngo

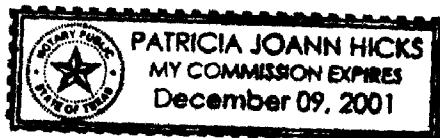
STATE OF TEXAS §
 §
COUNTY OF Dallas §

BEFORE ME, the undersigned authority, on this day, personally appeared Gordon K. Ngo, to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 17th day of September, 1998.




NOTARY PUBLIC IN AND FOR THE
STATE OF TEXAS



My Commission Expires:

December 9, 2001

I have hereunto set my signature this 17th day of Sept., 1998.



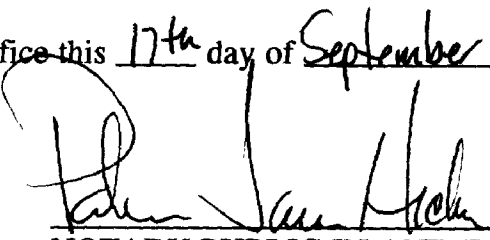
Se Hyeon Rhee

STATE OF TEXAS §
 §
COUNTY OF Dallas §

BEFORE ME, the undersigned authority, on this day, personally appeared Se Hyeon Rhee, to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 17th day of September, 1998.



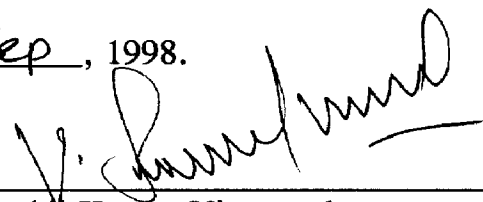


NOTARY PUBLIC IN AND FOR THE
STATE OF TEXAS

My Commission Expires:

December 9, 2001

I have hereunto set my signature this 17 day of Sep, 1998.


Senthil Kumar Viswanathan

STATE OF TEXAS

COUNTY OF Dallas

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§
§

BEFORE ME, the undersigned authority, on this day, personally appeared Senthil Kumar Viswanathan, to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND and seal of office this 17th day of September, 1998.




NOTARY PUBLIC IN AND FOR THE
STATE OF TEXAS

My Commission Expires:

December 9, 2001