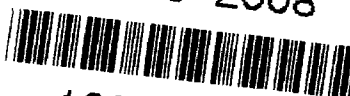


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U.S. DEPARTMENT OF COMMERCE

1. Name of conveying party(ies):

Sung-jung CHO

Chang-kyu CHOI

Yeun-bae KIM

Kyu-yong KIM

2. Name and Address of receiving party(ies)

SAMSUNG ELECTRONICS CO., LTD.

416, Maetan-dong, Yeongtong-gu,

Suwon-si, Gyeonggi-do 443-742

Republic of Korea

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other: _____

Execution Date(s): January 3, 2008

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

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

OR

☐ This document is being filed after filing of the application:

(a) Patent Application No(s)., filed ; or

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

STAAS & HALSEY LLP

Our Docket: 1907.1224

Attention: Gene M. Garner, II

1201 New York Ave., N.W., Suite 700

Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Patent or Application in Assignment)

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8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)

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Name of Person Signing

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Signature

January 7, 2008

Date

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PATENT
REEL: 020383 FRAME: 0175

U.S. ASSIGNMENT

3.4N (20)

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned Inventor(s) (hereinafter, "ASSIGNOR") by

(Insert Name(s) & Address(es) of ASSIGNEE(S))

SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do
Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled
(Title of Invention)

APPARATUS AND METHOD OF PROVIDING ITEMS BASED ON SCROLLING

relating to International Patent Application PCT/JP _____ and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(a) executed on : January 3, 2008

(Insert date of execution of application, if not concurrent)

(b) filed on :

Serial No. :

Any registered attorney of STAAS & HALSEY LLP, 1201 New York Avenue, N.W., Suite 700 Washington, D.C. 20005 (202/434-1500) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

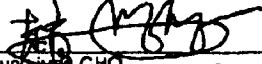

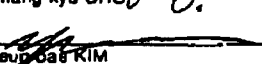
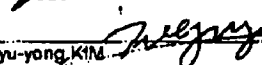
The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) 	January 3, 2008
Sung-jung CHO	
2) 	January 3, 2008
Chang-kyu CHOI	
3) 	January 3, 2008
Yeung-gae KIM	
4) 	January 3, 2008
Kyu-yong KIM	
5) _____	_____
6) _____	_____
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