PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3856438

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SEUNG-OOK EOM	04/25/2016
SEOK-BAE SON	04/25/2016
IL-YOUNG OH	04/25/2016
KYUNG-HO YOO	04/25/2016

RECEIVING PARTY DATA

Name:	SAMSUNG ELECTRONICS CO., LTD.
Street Address:	129, SAMSUNG-RO, YEONGTONG-GU
City:	SUWON-SI, GYEONGGI-DO
State/Country:	KOREA, REPUBLIC OF
Postal Code:	16677

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15141233

CORRESPONDENCE DATA

Fax Number: (202)434-1501

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 2024341500
Email: aschwartz@s-n-h.com
Correspondent Name: STAAS & HALSEY LLP
Address Line 1:   1201 NEW YORK AVENUE N.W.
Address Line 2:   7TH FLOOR
Address Line 4:   WASHINGTON, D.C. 20005

ATTORNEY DOCKET NUMBER:	1904.1374
NAME OF SUBMITTER:	SONNY S. CHOI
SIGNATURE:	/Sonny S. Choi /
DATE SIGNED:	05/03/2016

Total Attachments: 1
source=Assignment#page1.tif

U.S. ASSIGNMENT

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.
129, Samsung-ro, Yeongtong-gu,
Suwon-si, Gyeonggi-do 16677
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)

Middleware Device, Driving Method of Reader AND Method for Determining Misdetection of Tag

relating to International Patent Application PCT/____/_____ 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 ;   *(Insert date of execution of application, if not concurrent)*

(b) filed on ,

Serial No. ;

> *Any registered attorney or patent agent 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, reviews (including inter partes review, post grant review and covered business method review) 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) _____   2016.4.25   _____
Seung-ook EOM

2) _____   2016.4.25.   _____
Seok-bae SON

3) _____   2016.4.25   _____
Il-young OH

4) _____   2016.4.25   _____
Kyung-ho YOO

5) _____   _____   _____

6) _____   _____   _____

7) _____   _____   _____