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(for several international applications filed under the Patent Cooperation Treaty)
(PCT Rule 10.1)

The undersigned representative:

[Signature]

is hereby appointed to represent the undersigned before:

the competent international authorities;

the International Searching Authority;

the International Preliminary Examining Authority.

In connection with any and all international applications filed by the undersigned with the following Office:

Korean Intellectual Property Office (KIPA)

as receiving Office and to make or require payments on behalf of the undersigned.

Signature: [Signature]

[Signature]

Vice Chairman & CEO Oh Hyeon Kwon
SAMSUNG ELECTRONICS CO., LTD.

Date: December 9, 2013
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GENERAL POWER OF ATTORNEY
(for several international applications filed under the PCT - Patent Cooperation Treaty)
(PCT Form PCT/RS 195)

Represented person:

[Family name (followed by given name); if a legal entity, the address must include postal code and name of country]

SAMSUNG ELECTRONICS CO., LTD,
129, Samsung-ro, Yongin-gu, Suwon-si
Gyeonggi-do, 443-742
Republic of Korea

I, Lee, Koon-Joo
represent the undersigned before:

[All the competent international authorities]

the International Searching Authority only

the International Preliminary Examining Authority only

[If the Authority is specified for supplementary search]

[If the Authority is specified for supplementary search]

in connection with any and all international applications filed by the undersigned with the following Office:

[Please specify the International Authority to which the power is given]

[Please specify the undersigned's power to do so]

Signature of power holder:

[Signature]

Vice Chairman & CEO Oh-Hyun Kwon
SAMSUNG ELECTRONICS CO., LTD.

Date: December 9, 2012