CLAIMS:

【Claim 1】

An electronic device comprising:

a processor; and

a sensor module;

memory storing instructions that, when executed by the processor, cause the electronic device to perform operations, the operations comprising:

identifying whether an application currently being executed corresponds to a specified application,

while a first connection to a first network is established based on a first radio access technology (RAT), identifying whether the electronic device is in over-temperature state based on sensing data from the sensor module,

if the electronic device is in the over-temperature state, and the application being executed corresponds to the specified application:

releasing the first connection without receiving a connection release message from the first network,

in response to releasing the first connection, performing a scan associated with a second RAT different from the first RAT,

based on a result of the scan, establishing a second connection with a second network different from the first network based on the second RAT.

【Claim 2】

The electronic device according to the claim 1, wherein identifying whether the application currently being executed corresponds to the specified application comprises:

identifying whether the application currently being executed corresponds to the specified application having a specified type or not.

【Claim 3】

The electronic device according to the claim 2, wherein a time required for receiving the connection release message when the application currently being executed corresponds to the specified application having the specified type , is greater than a threshold.

【Claim 4】

The electronic device according to the claim 1, further comprising a display module, and,

wherein releasing the first connection without receiving the connection release message comprises:

based on identifying that the application currently being executed corresponds to the specified application and that the display module is turned-off, releasing the first connection without receiving the connection release message.

【Claim 5】

The electronic device according to the claim 1, wherein the operations comprise:

initiating a timer at a time point that the over-temperature state is identified, and

releasing the first connection without receiving the connection release message based on lapse of the timer.

【Claim 6】

The electronic device according to the claim 1, wherein the operations comprise identifying that the application being executed does not correspond to the specified application.

【Claim 7】

The electronic device according to the claim 6, wherein the operations comprise releasing the first connection based on identifying that the connection release message is received, if the application being executed does not correspond to the specified application.

【Claim 8】

A method for operating an electronic device comprising a sensor module, the method comprising:

identifying whether an application currently being executed corresponds to a specified application,

while a first connection to a first network is established based on a first radio access technology (RAT), identifying whether the electronic device is in over-temperature state based on sensing data from the sensor module,

if the electronic device is in the over-temperature state, and the application being executed corresponds to the specified application:

releasing the first connection without receiving a connection release message from the first network,

in response to releasing the first connection, performing a scan associated with a second RAT different from the first RAT,

based on a result of the scan, establishing a second connection with a second network different from the first network based on the second RA.

【Claim 9】

The method according to the claim 8, wherein identifying whether the application currently being executed corresponds to the specified application comprises identifying whether the application currently being executed corresponds to the specified application having a specified type is executed or not.

【Claim 10】

The method according to the claim 9, wherein a time required for receiving the connection release message when the application currently being executed corresponds to the specified application having the specified type is executed is greater than a threshold.

【Claim 11】

The method according to the claim 8,

wherein releasing the first connection without receiving the connection release message comprises:

based on identifying that the application currently being executed corresponds to the specified application and that a display module of the electronic device is turned-off, releasing the first connection without receiving the connection release message.

【Claim 12】

The method according to the claim 8, further comprising:

initiating a timer at a time point that the over-temperature state is identified; and

releasing the first connection without receiving the connection release message based on lapse of the timer.

【Claim 13】

The method according to the claim 8, further comprising identifying that the application being executed does not correspond to the specified application.

【Claim 14】

The method according to the claim 13, further comprising releasing the first connection based on identifying that the connection release message is received, if the application being executed does not correspond to the specified application.

【Claim 15】

A non-transitory computer readable medium storing instructions that, when executed by a processor of an electronic device, cause the electronic device to perform operations, the operations comprising:

identifying whether an application currently being executed corresponds to a specified application,

while a first connection to a first network is established based on a first radio access technology (RAT), identifying whether the electronic device is in over-temperature state based on sensing data from the sensor module,

if the electronic device is in the over-temperature state, and the application being executed corresponds to the specified application:

releasing the first connection without receiving a connection release message from the first network,

in response to releasing the first connection, performing a scan associated with a second RAT different from the first RAT,

based on a result of the scan, establishing a second connection with a second network different from the first network based on the second RAT.

【Claim 16】

The medium according to the claim 15, wherein identifying whether the application currently being executed corresponds to the specified application comprises:

identifying whether the application currently being executed corresponds to the specified application having a specified type or not.

【Claim 17】

The medium according to the claim 16, wherein a time required for receiving the connection release message when the application currently being executed corresponds to the specified application having the specified type, is greater than a threshold.

【Claim 18】

The medium according to the claim 15, wherein releasing the first connection without receiving the connection release message comprises:

based on identifying that the application currently being executed corresponds to the specified application and that a display module of the electronic device is turned-off, releasing the first connection without receiving the connection release message.

【Claim 19】

The medium according to the claim 15, wherein the operations comprise:

initiating a timer at a time point that the over-temperature state is identified, and

releasing the first connection without receiving the connection release message based on lapse of the timer.

【Claim 20】

The medium according to the claim 15, wherein the operations comprise identifying that the application being executed does not correspond to the specified application.

【Claim 21】

The medium according to the claim 20, wherein the operations comprise releasing the first connection based on identifying that the connection release message is received, if the application being executed does not correspond to the specified application.