[DRAWINGS]

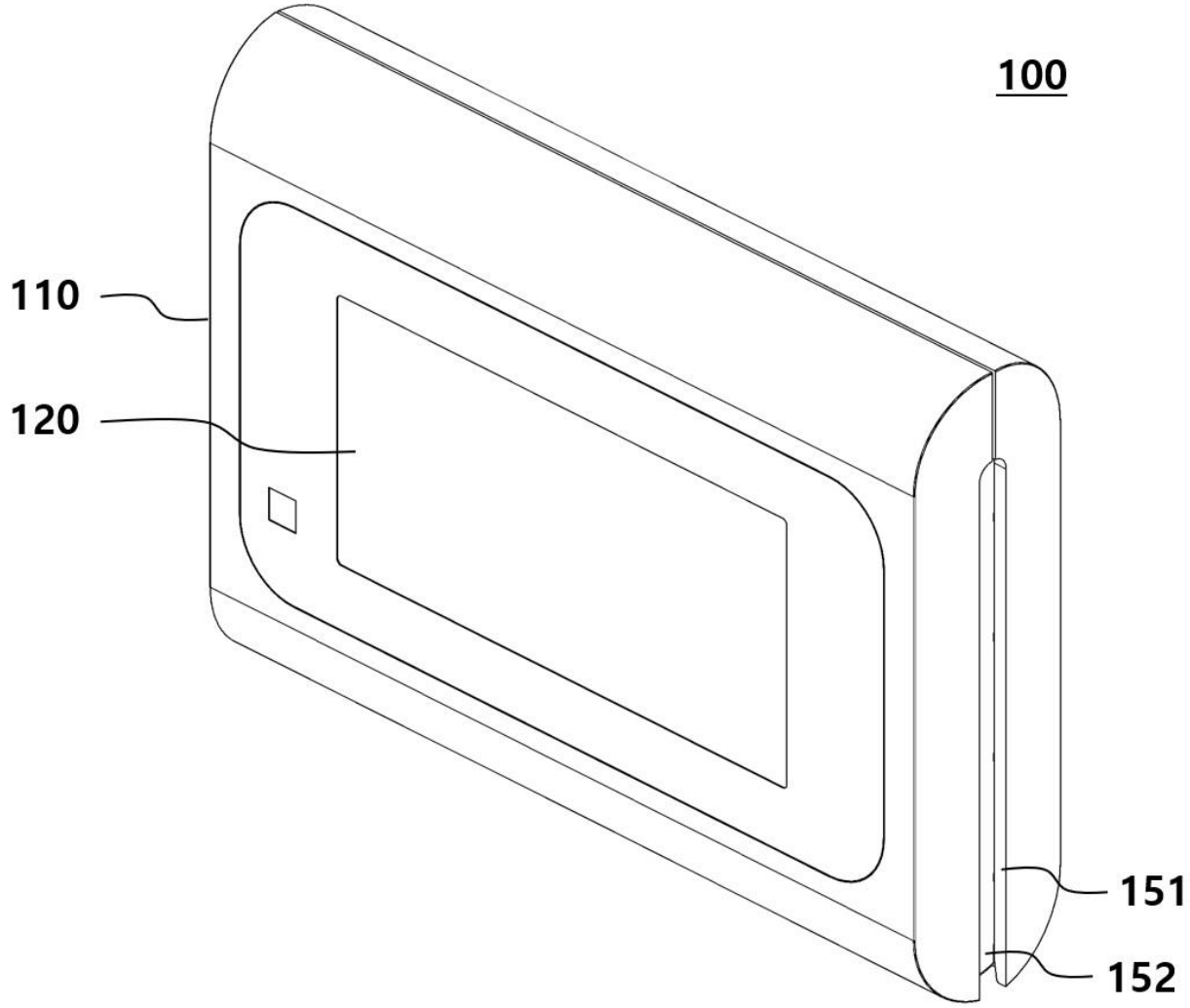


Fig.1

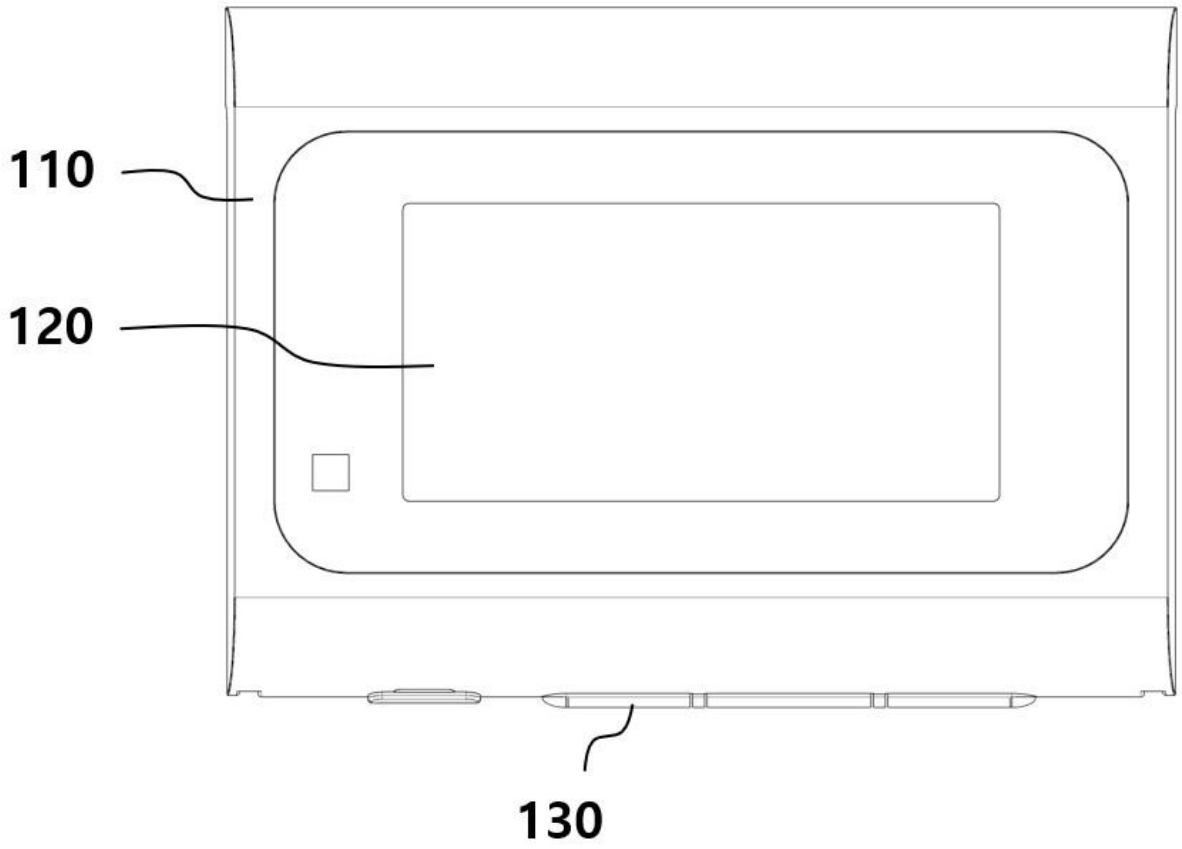


Fig.2

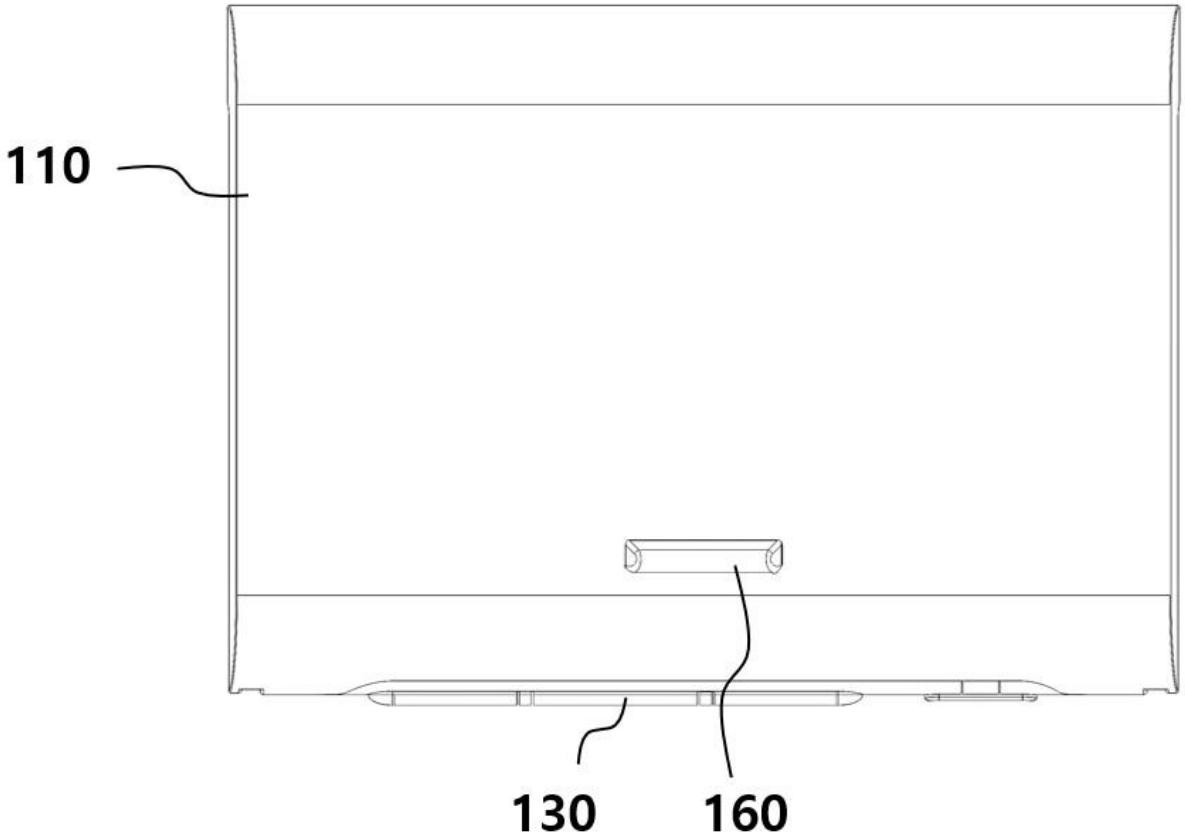


Fig.3

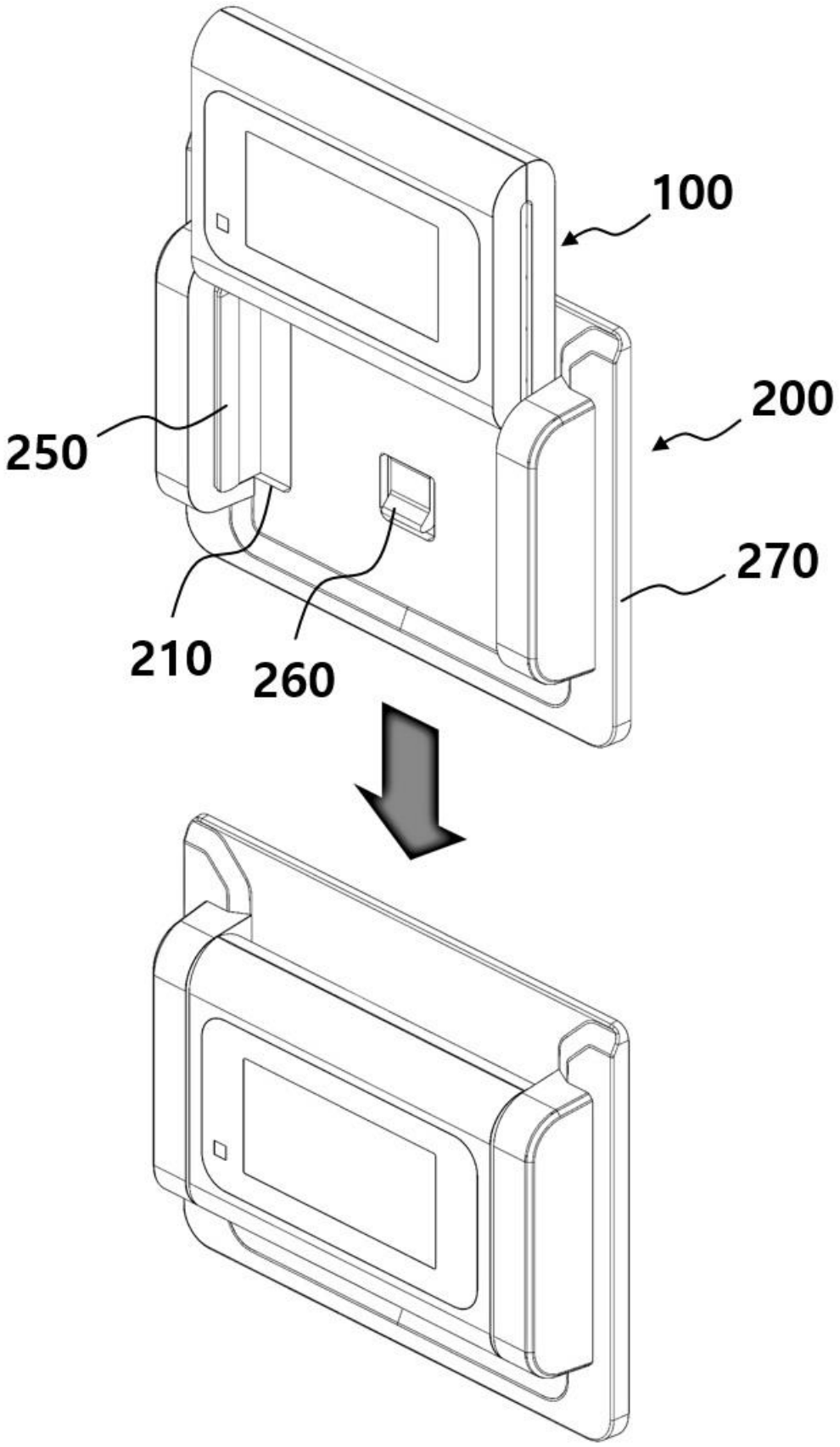


Fig.4

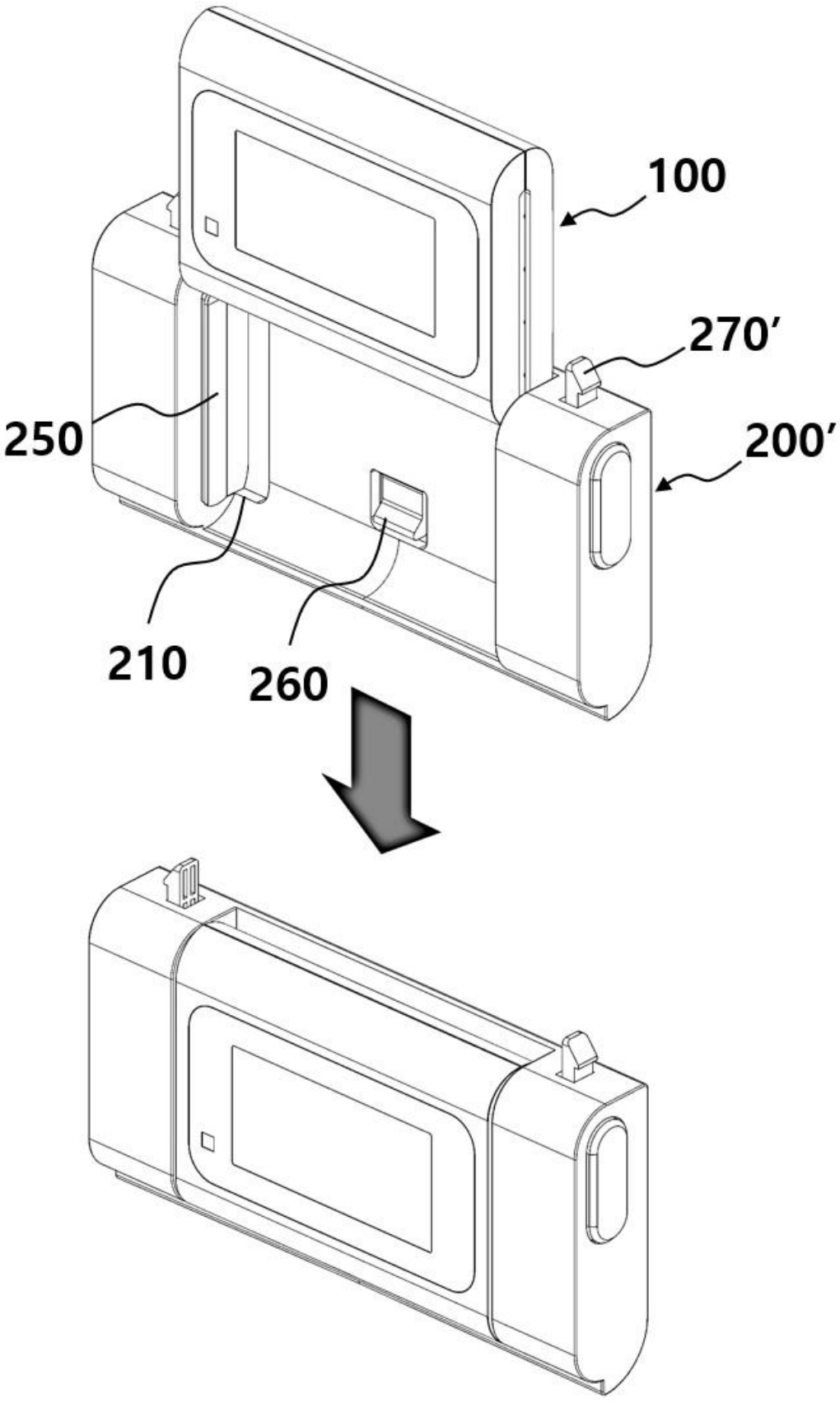


Fig.5

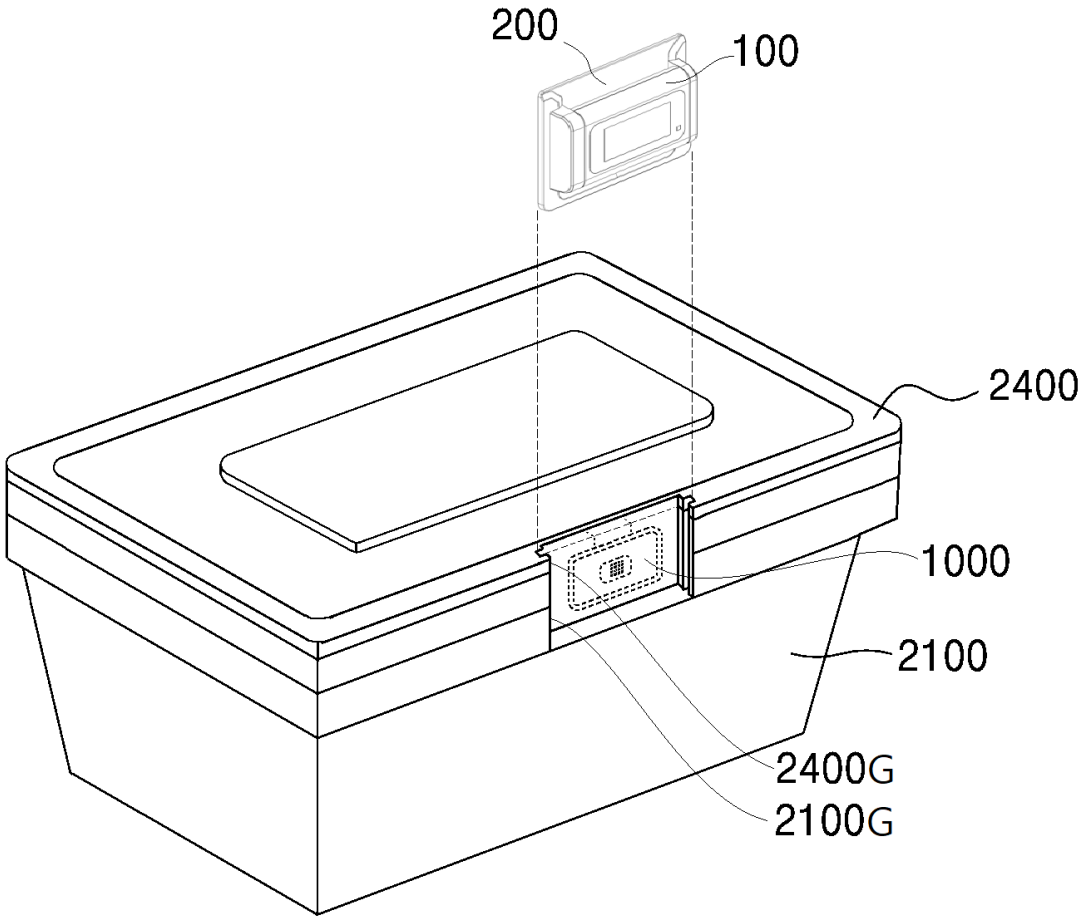


Fig.6

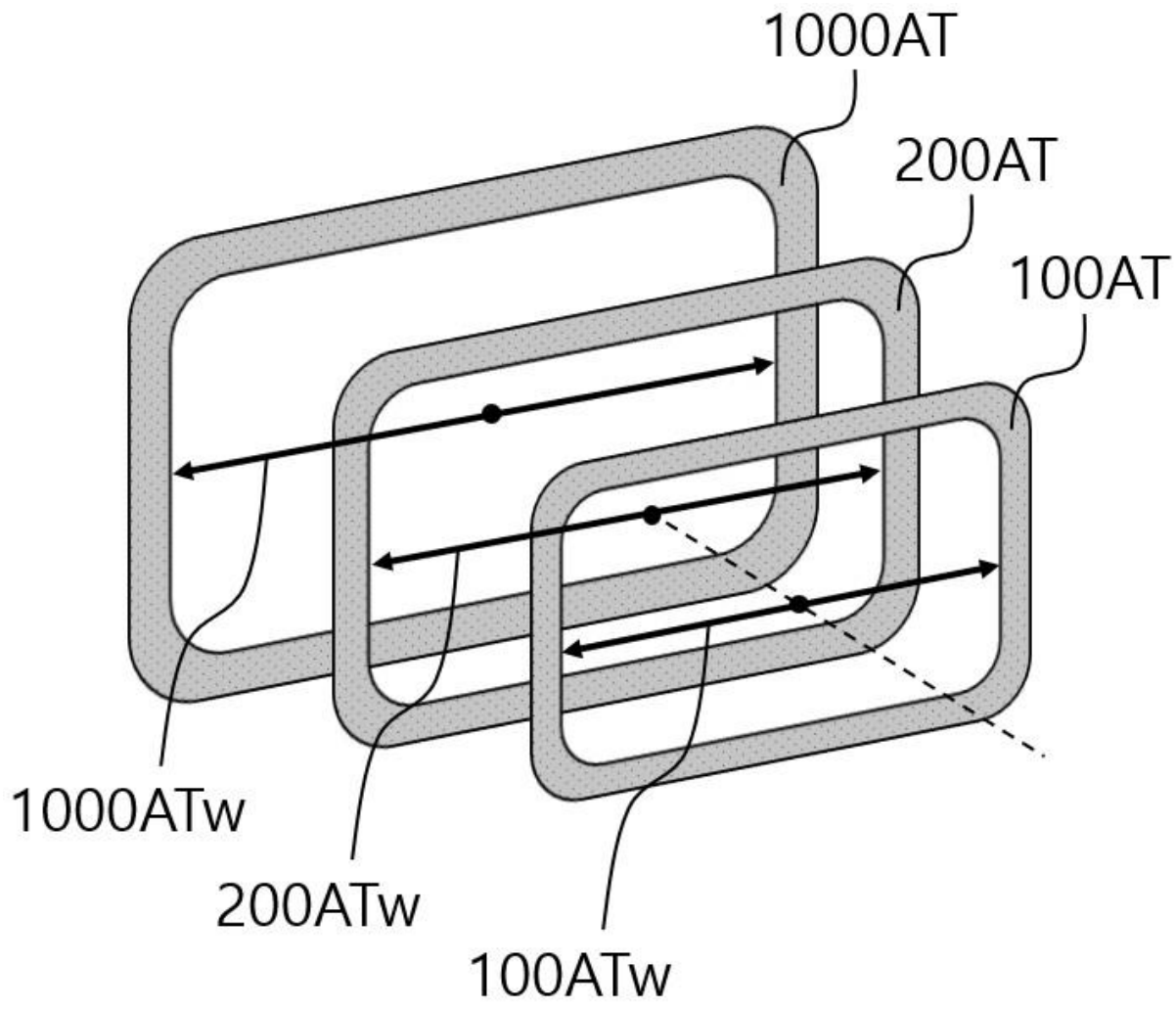


Fig.7

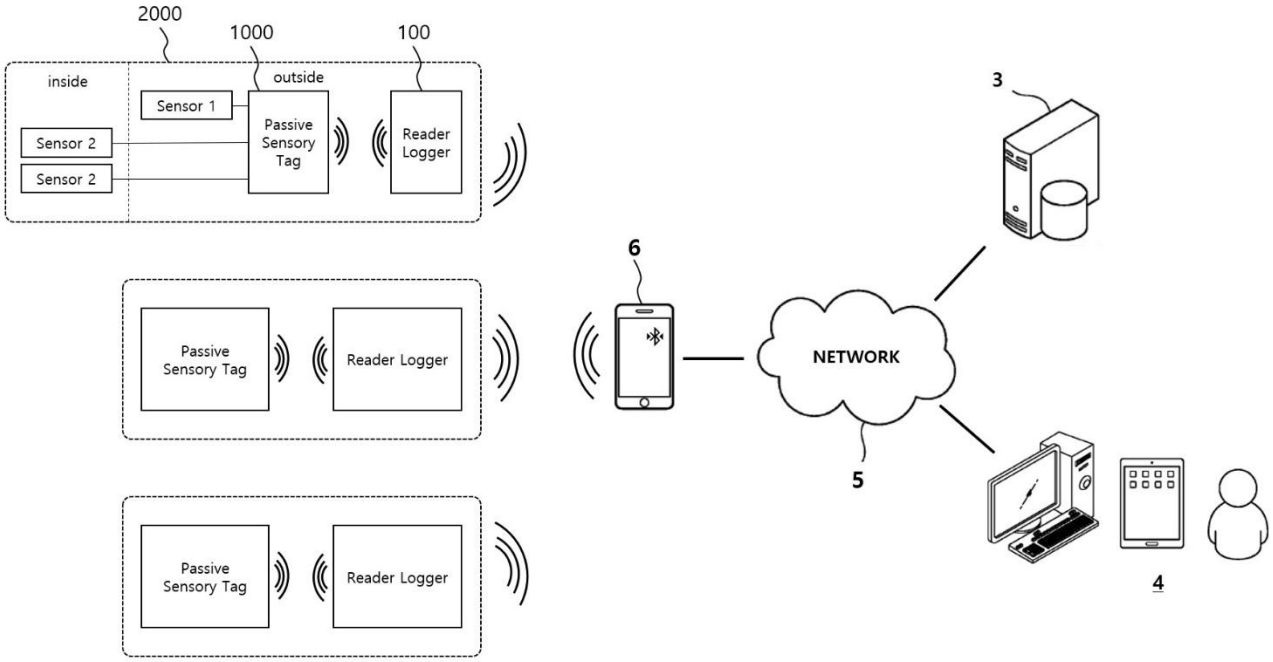

2000
1000
100
inside
outside
Sensor 1
Sensor 2
Sensor 2
Passive Sensory Tag
Reader Logger
Passive Sensory Tag
Reader Logger
Passive Sensory Tag
Reader Logger
3
6
NETWORK
5
4

Fig.8

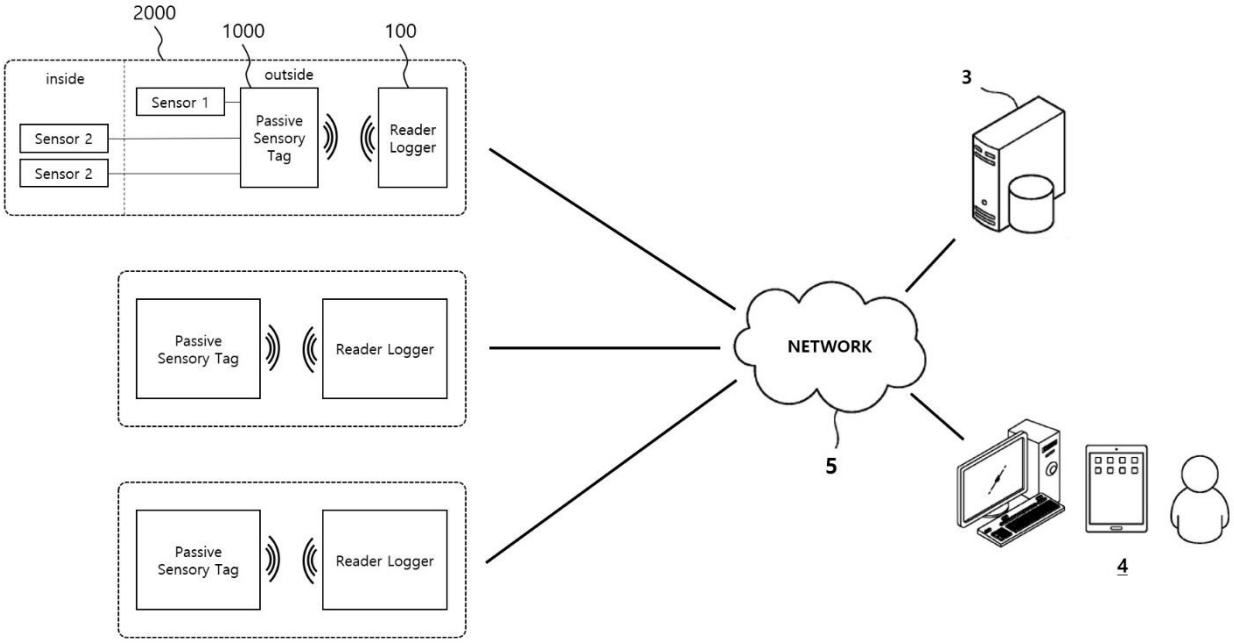

2000
1000
100
inside
outside
Sensor 1
Sensor 2
Sensor 2
Passive Sensory Tag
Reader Logger
Passive Sensory Tag
Reader Logger
Passive Sensory Tag
Reader Logger
3
NETWORK
5
4

Fig.9

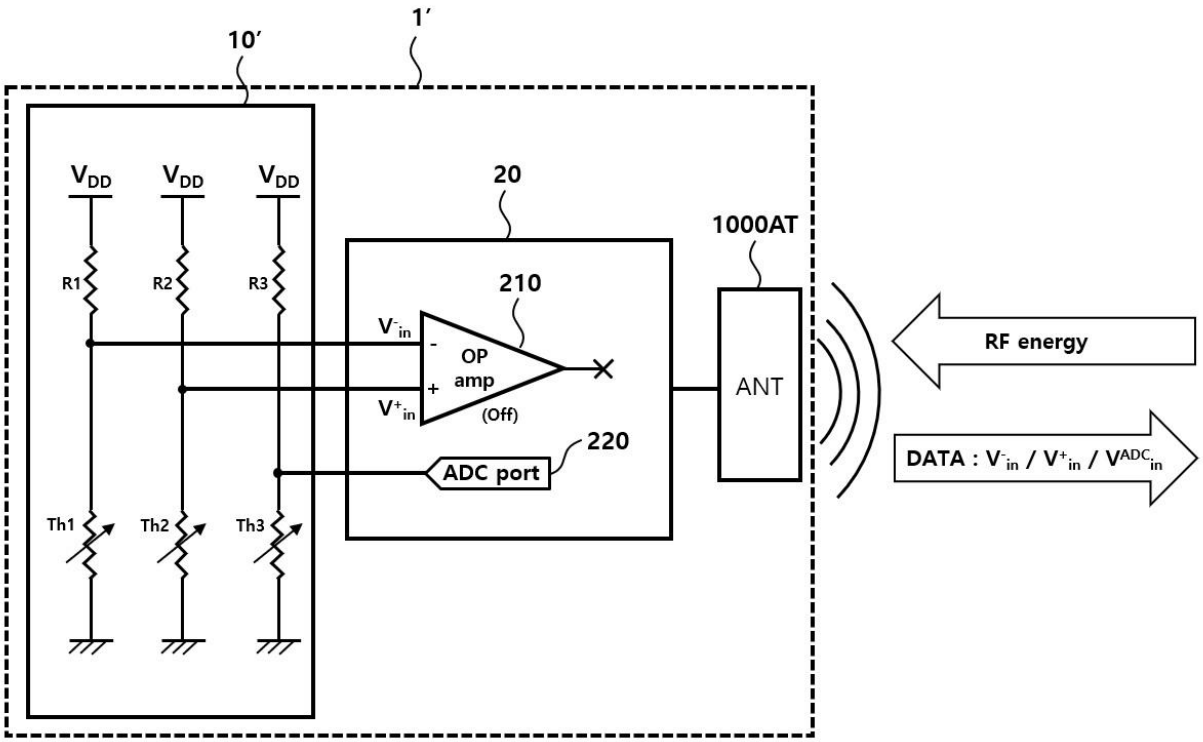

10′
1′
20
1000AT
210
220
R1
R2
R3
Th1
Th2
Th3
OP
amp
(Off)
ADC port
ANT
RF energy
DATA : V-in / V+in / VADCin

Fig.10

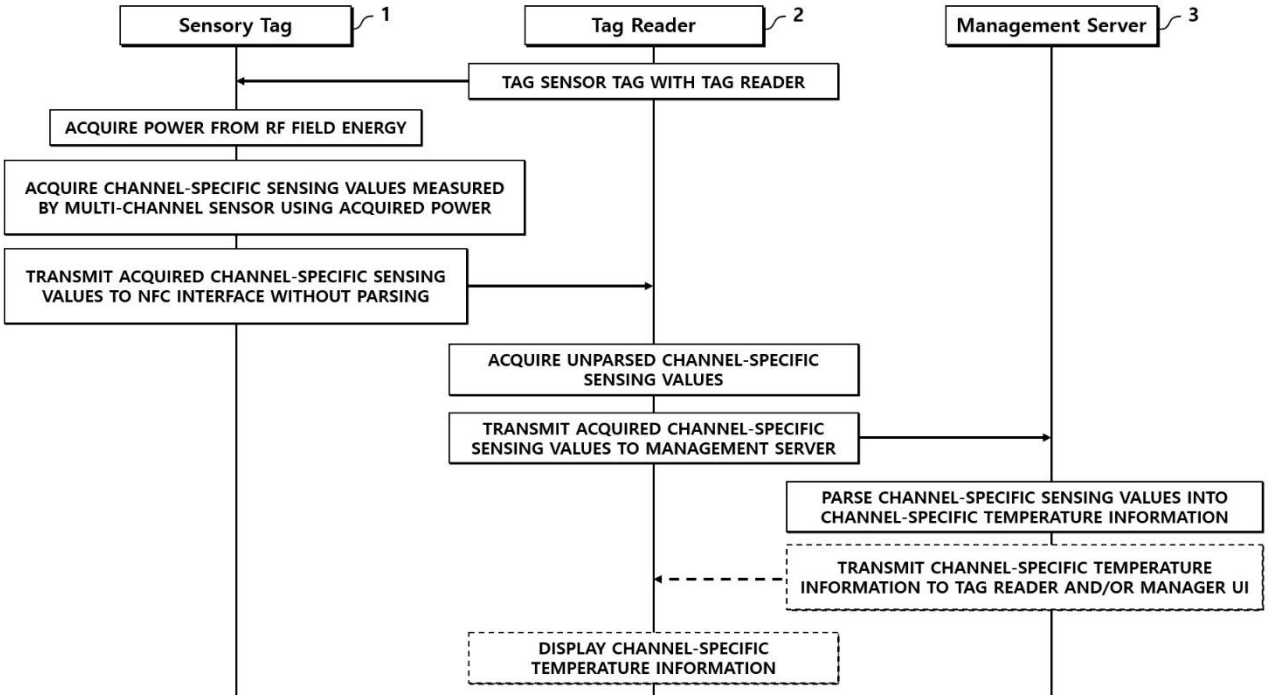

Sensory Tag
1
Tag Reader
2
Management Server
3
TAG SENSOR TAG WITH TAG READER
ACQUIRE POWER FROM RF FIELD ENERGY
ACQUIRE CHANNEL-SPECIFIC SENSING VALUES MEASURED BY MULTI-CHANNEL SENSOR USING ACQUIRED POWER
TRANSMIT ACQUIRED CHANNEL-SPECIFIC SENSING VALUES TO NFC INTERFACE WITHOUT PARSING
ACQUIRE UNPARSED CHANNEL-SPECIFIC SENSING VALUES
TRANSMIT ACQUIRED CHANNEL-SPECIFIC SENSING VALUES TO MANAGEMENT SERVER
PARSE CHANNEL-SPECIFIC SENSING VALUES INTO CHANNEL-SPECIFIC TEMPERATURE INFORMATION
TRANSMIT CHANNEL-SPECIFIC TEMPERATURE INFORMATION TO TAG READER AND/OR MANAGER UI
DISPLAY CHANNEL-SPECIFIC TEMPERATURE INFORMATION

Fig.11

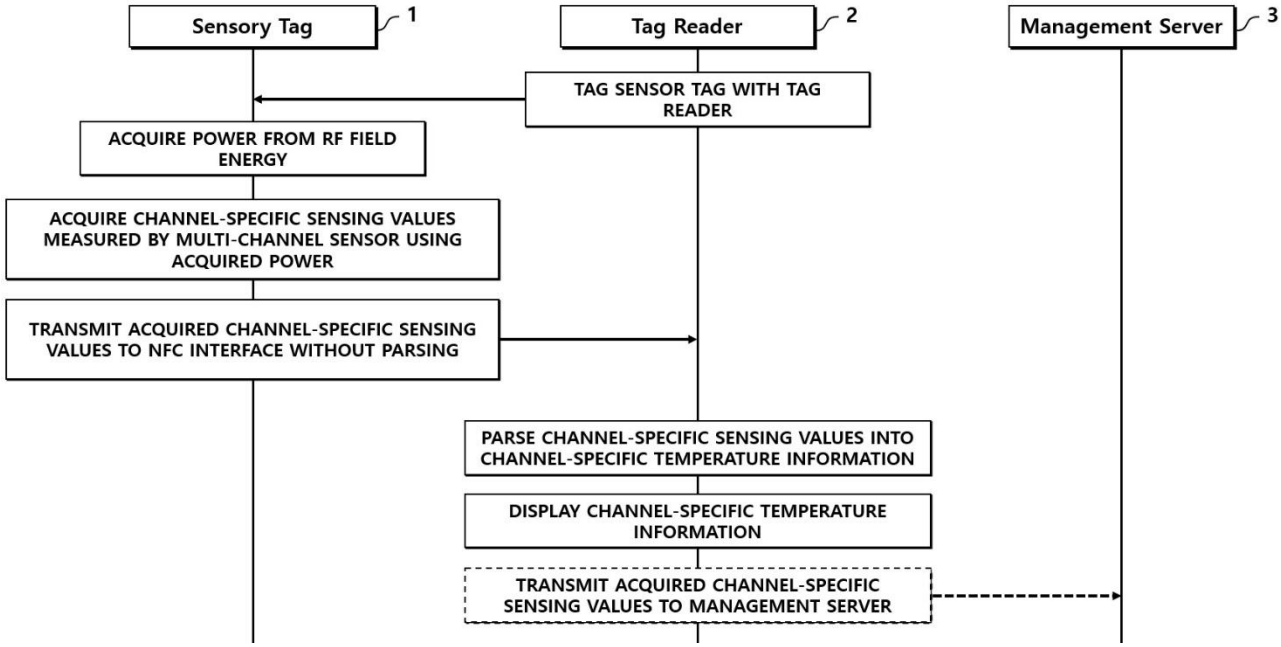

Sensory Tag
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ACQUIRE CHANNEL-SPECIFIC SENSING VALUES MEASURED BY MULTI-CHANNEL SENSOR USING ACQUIRED POWER
TRANSMIT ACQUIRED CHANNEL-SPECIFIC SENSING VALUES TO NFC INTERFACE WITHOUT PARSING
PARSE CHANNEL-SPECIFIC SENSING VALUES INTO CHANNEL-SPECIFIC TEMPERATURE INFORMATION
DISPLAY CHANNEL-SPECIFIC TEMPERATURE INFORMATION
TRANSMIT ACQUIRED CHANNEL-SPECIFIC SENSING VALUES TO MANAGEMENT SERVER

Fig.12