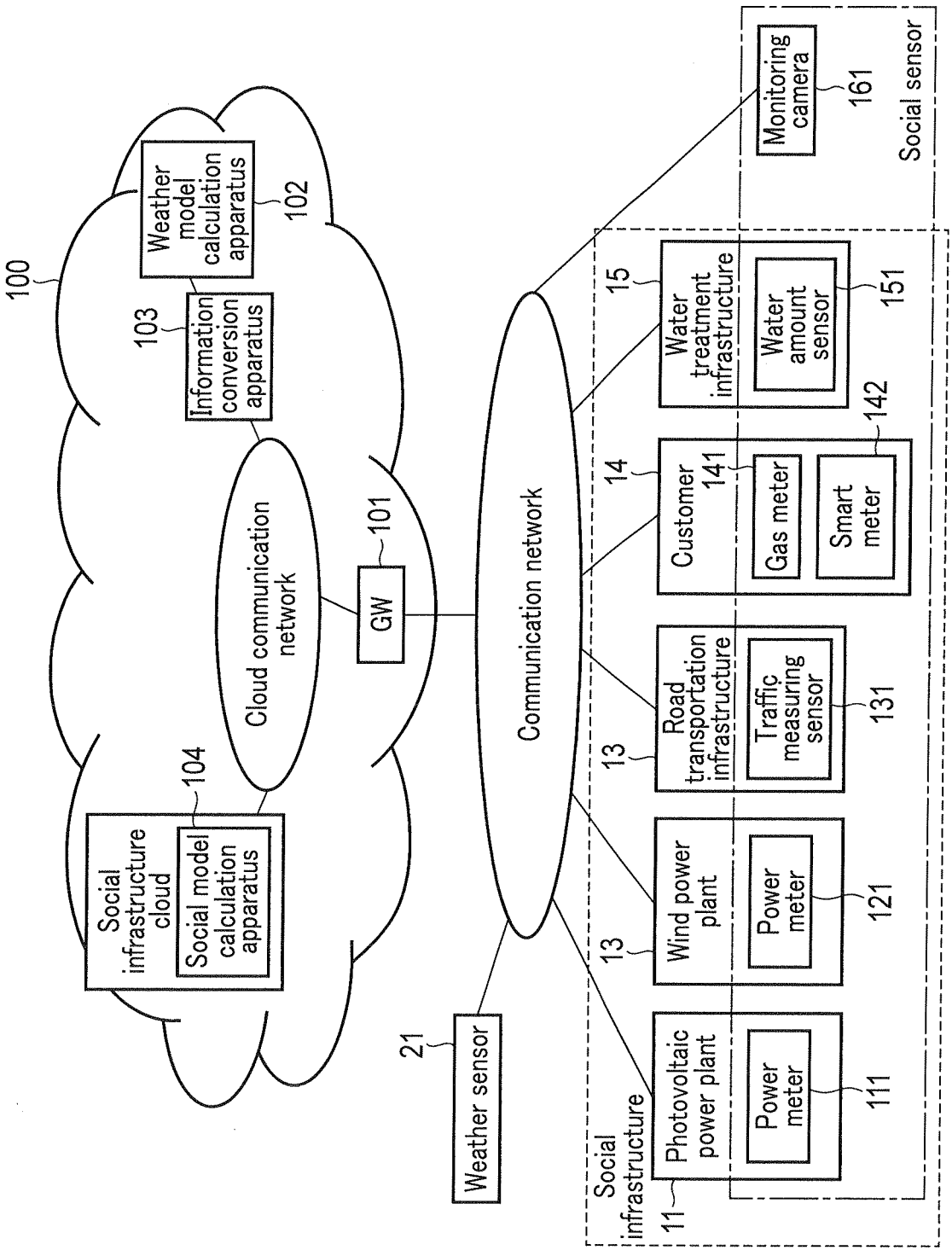

100
Weather model calculation apparatus
102
103
Information conversion apparatus
Cloud communication network
GW
101
104
Social infrastructure cloud
Social model calculation apparatus
Communication network
21
Weather sensor
Social infrastructure
11
Photovoltaic power plant
Power meter
111
13
Wind power plant
Power meter
121
13
Road transportation infrastructure
Traffic measuring sensor
131
14
Customer
141
Gas meter
142
Smart meter
15
Water treatment infrastructure
Water amount sensor
151
Social sensor
Monitoring camera
161

FIG. 1

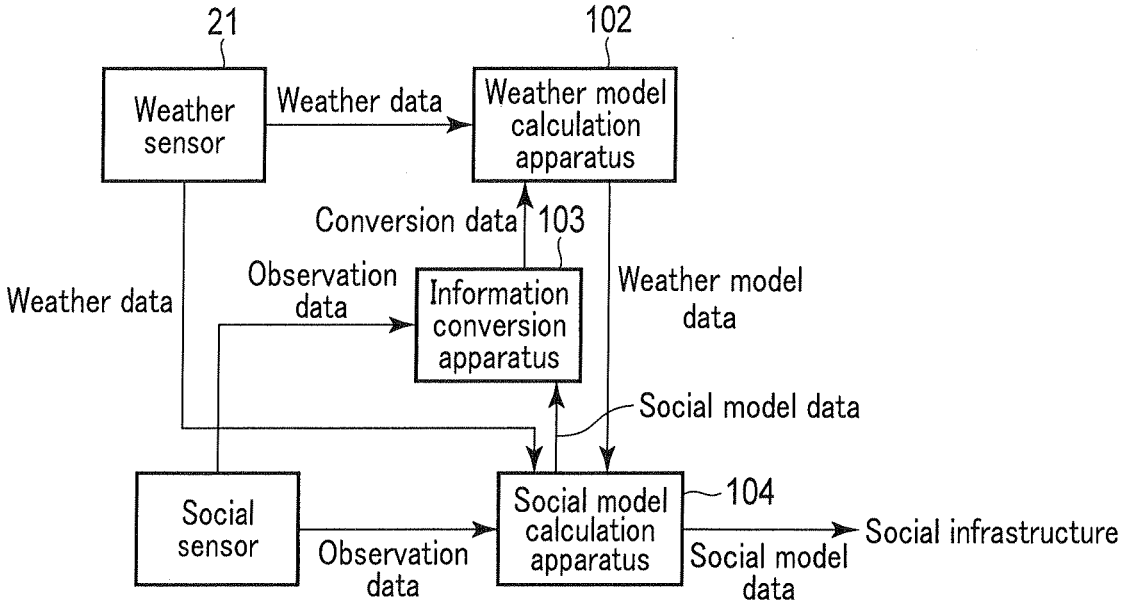

21
102
Weather sensor
Weather data
Weather model calculation apparatus
Conversion data
103
Observation data
Information conversion apparatus
Weather data
Weather model data
Social model data
Social sensor
Observation data
Social model calculation apparatus
104
Social infrastructure
Social model data

FIG. 2

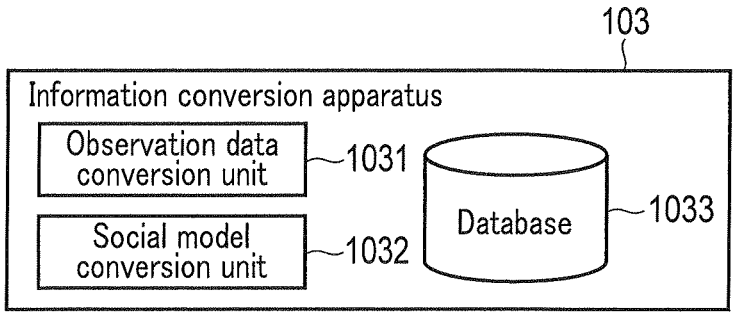

103
Information conversion apparatus
Observation data conversion unit
1031
Social model conversion unit
1032
Database
1033

FIG. 3

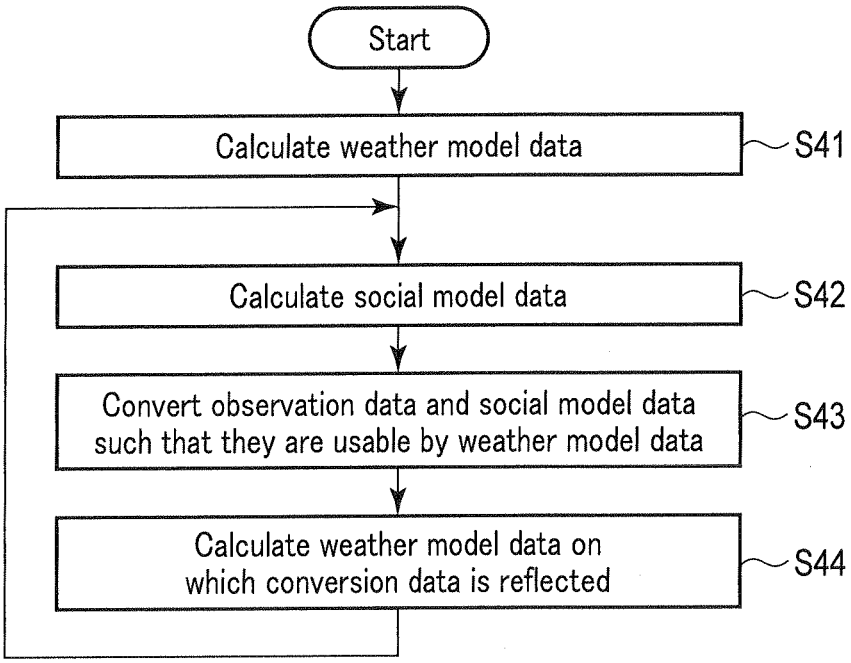

Start
Calculate weather model data
S41
Calculate social model data
S42
Convert observation data and social model data such that they are usable by weather model data
S43
Calculate weather model data on which conversion data is reflected
S44

FIG. 4

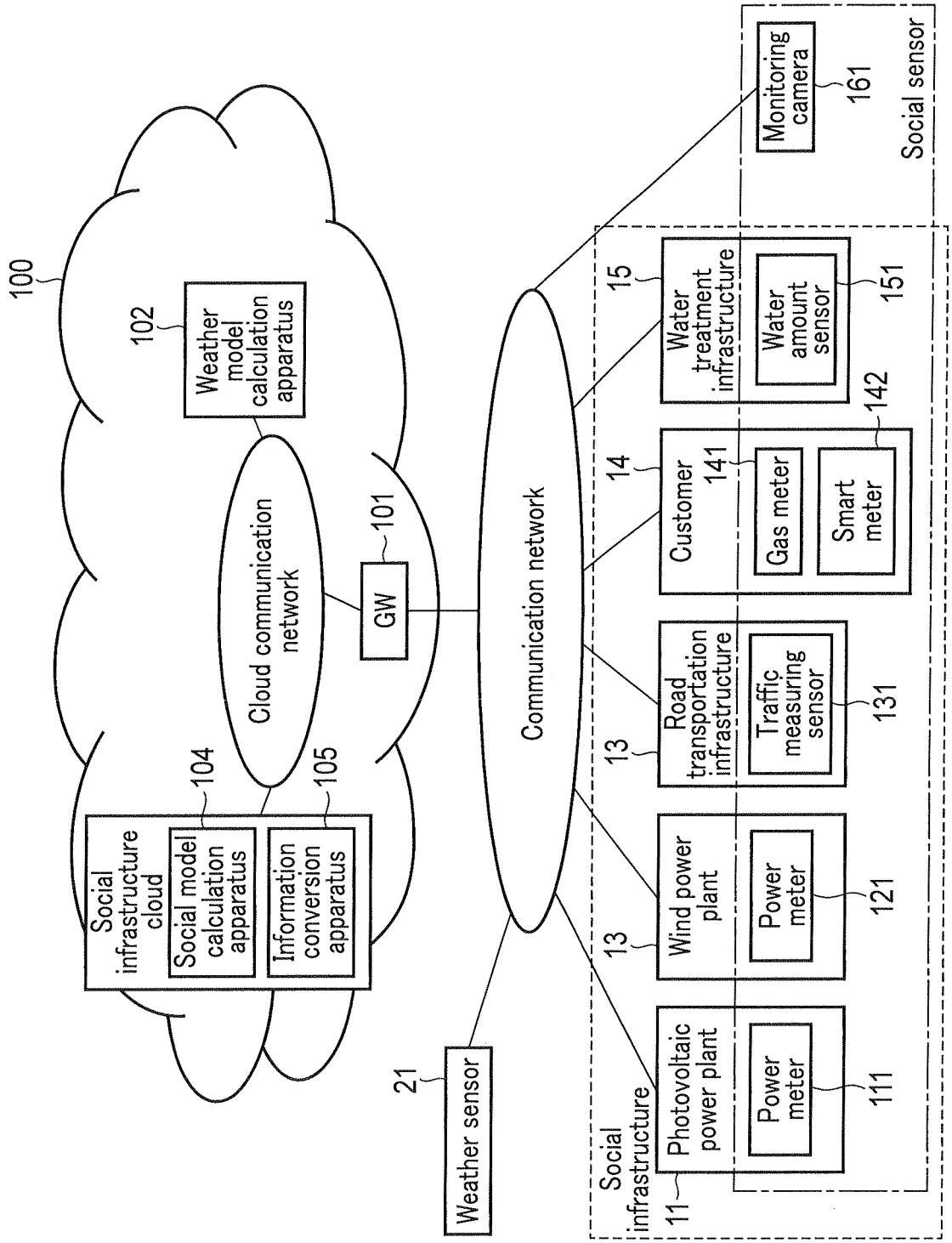

100
102
Weather model calculation apparatus
Cloud communication network
GW
101
Social infrastructure cloud
104
Social model calculation apparatus
105
Information conversion apparatus
Communication network
21
Weather sensor
Social infrastructure
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Photovoltaic power plant
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Wind power plant
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Road transportation infrastructure
Traffic measuring sensor
131
14
Customer
141
Gas meter
Smart meter
142
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Water treatment infrastructure
Water amount sensor
151
Social sensor
Monitoring camera
161

FIG. 5