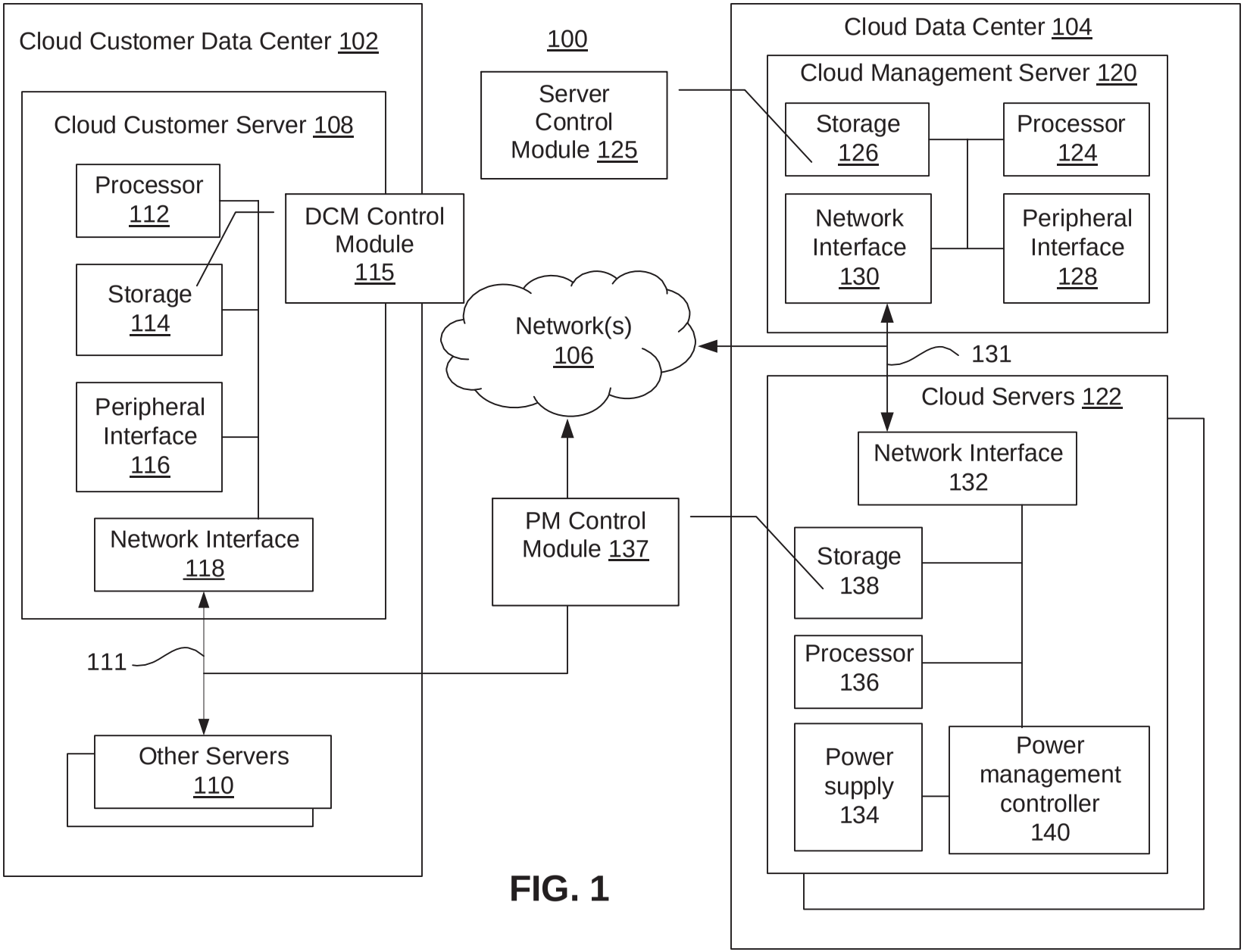
100
Cloud Customer Data Center 102
Cloud Customer Server 108
Processor 112
Storage 114
Peripheral Interface 116
Network Interface 118
DCM Control Module 115
111
Other Servers 110
Server Control Module 125
Network(s) 106
PM Control Module 137
Cloud Data Center 104
Cloud Management Server 120
Storage 126
Processor 124
Network Interface 130
Peripheral Interface 128
131
Cloud Servers 122
Network Interface 132
Storage 138
Processor 136
Power supply 134
Power management controller 140

FIG. 1

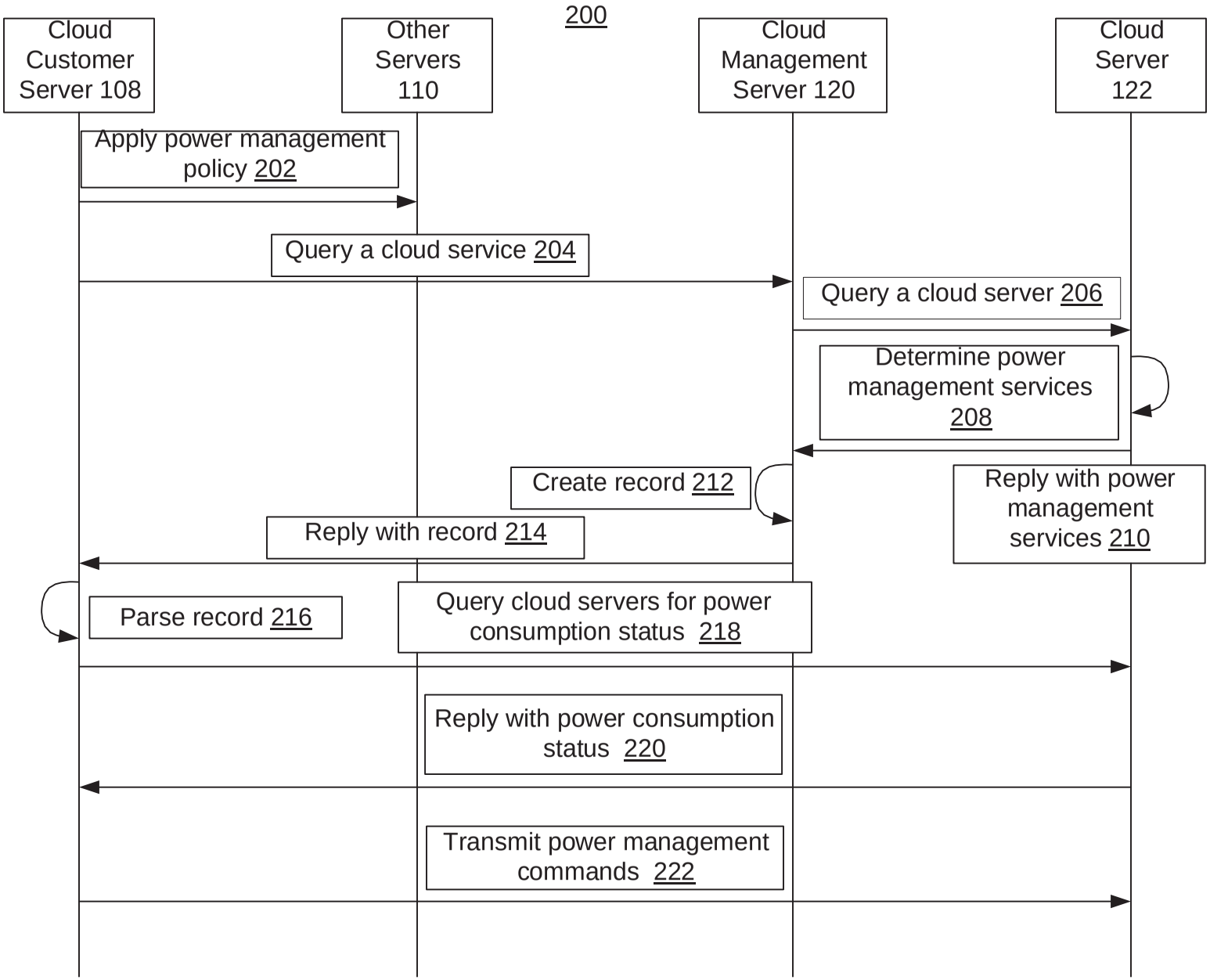
200
Cloud Customer Server 108
Other Servers 110
Cloud Management Server 120
Cloud Server 122
Apply power management policy 202
Query a cloud service 204
Query a cloud server 206
Determine power management services 208
Reply with power management services 210
Create record 212
Reply with record 214
Parse record 216
Query cloud servers for power consumption status 218
Reply with power consumption status 220
Transmit power management commands 222

FIG. 2

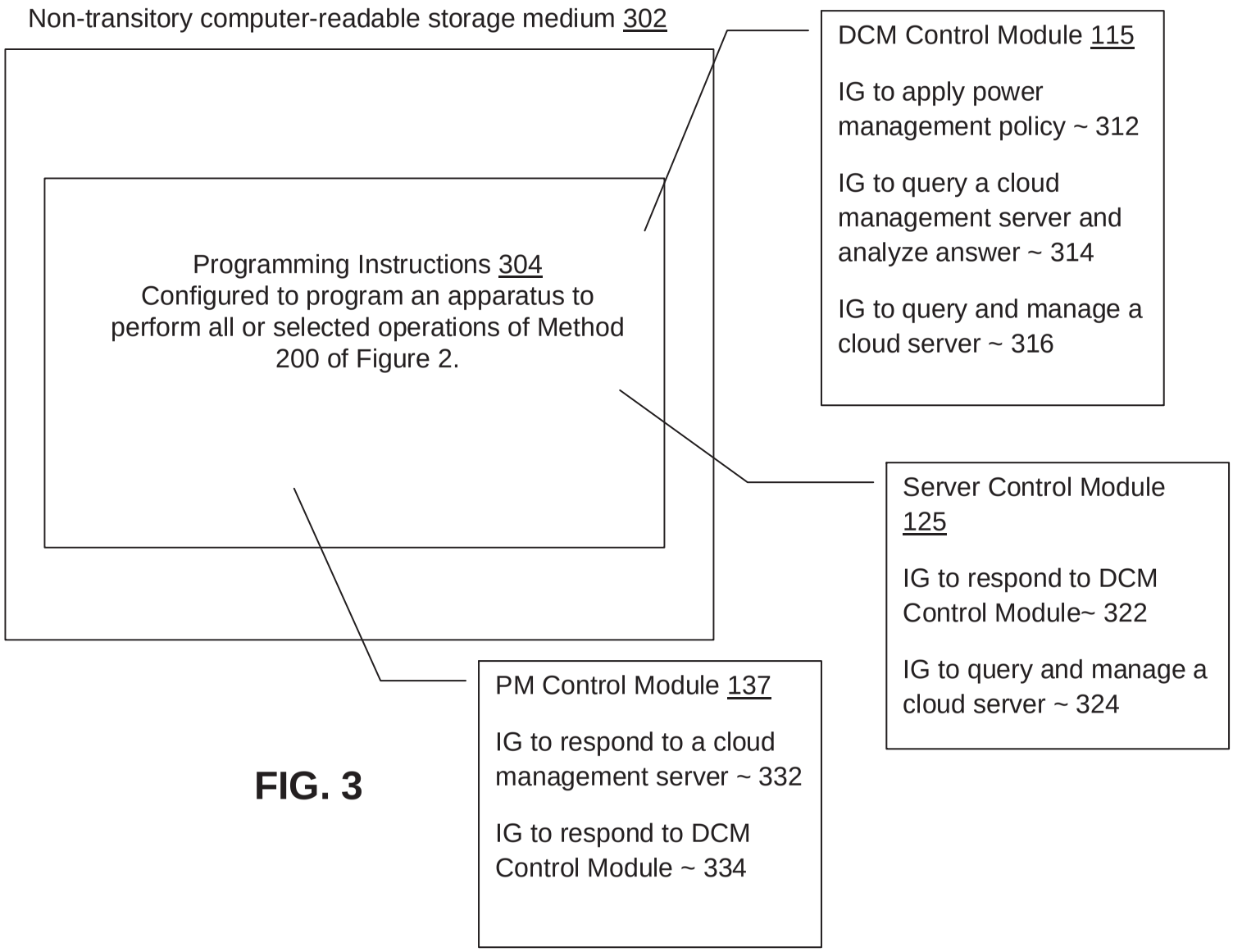
Non-transitory computer-readable storage medium 302
Programming Instructions 304
Configured to program an apparatus to perform all or selected operations of Method 200 of Figure 2.
DCM Control Module 115
IG to apply power management policy ~ 312
IG to query a cloud management server and analyze answer ~ 314
IG to query and manage a cloud server ~ 316
Server Control Module 125
IG to respond to DCM Control Module~ 322
IG to query and manage a cloud server ~ 324
PM Control Module 137
IG to respond to a cloud management server ~ 332
IG to respond to DCM Control Module ~ 334

FIG. 3

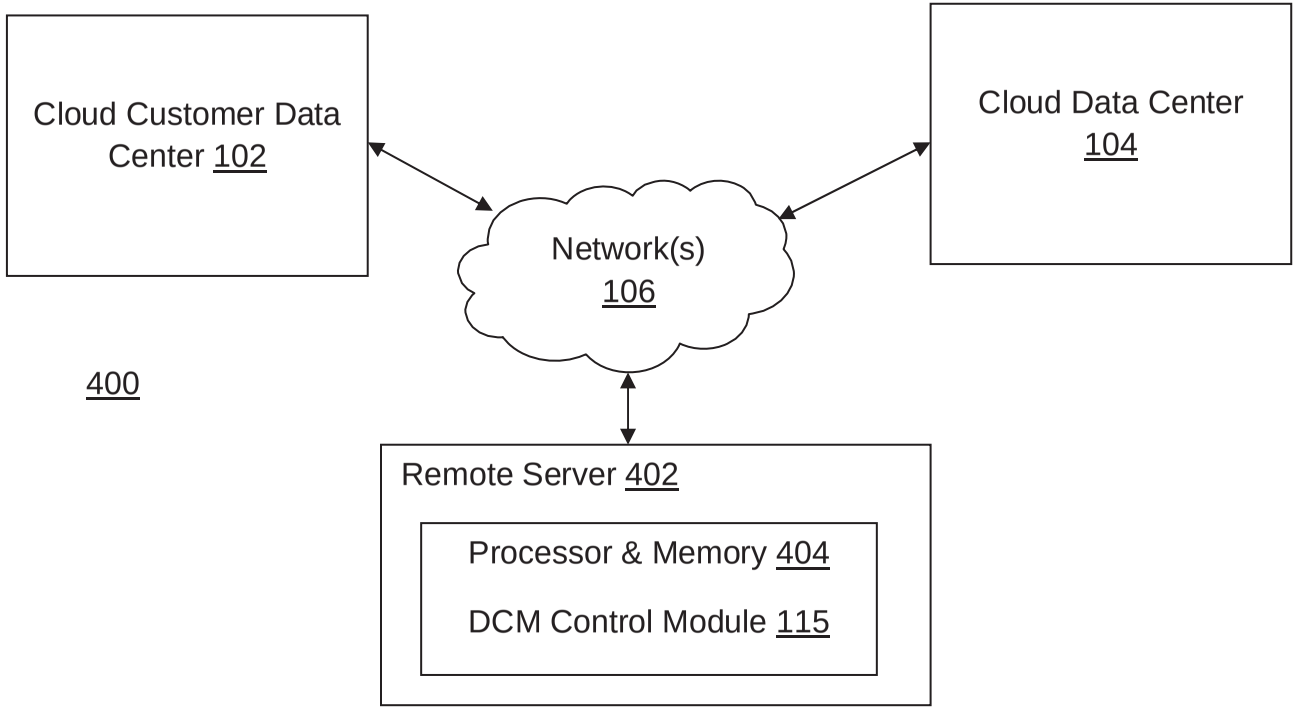
Cloud Customer Data Center 102
Cloud Data Center 104
Network(s) 106
400
Remote Server 402
Processor & Memory 404
DCM Control Module 115

FIG. 4

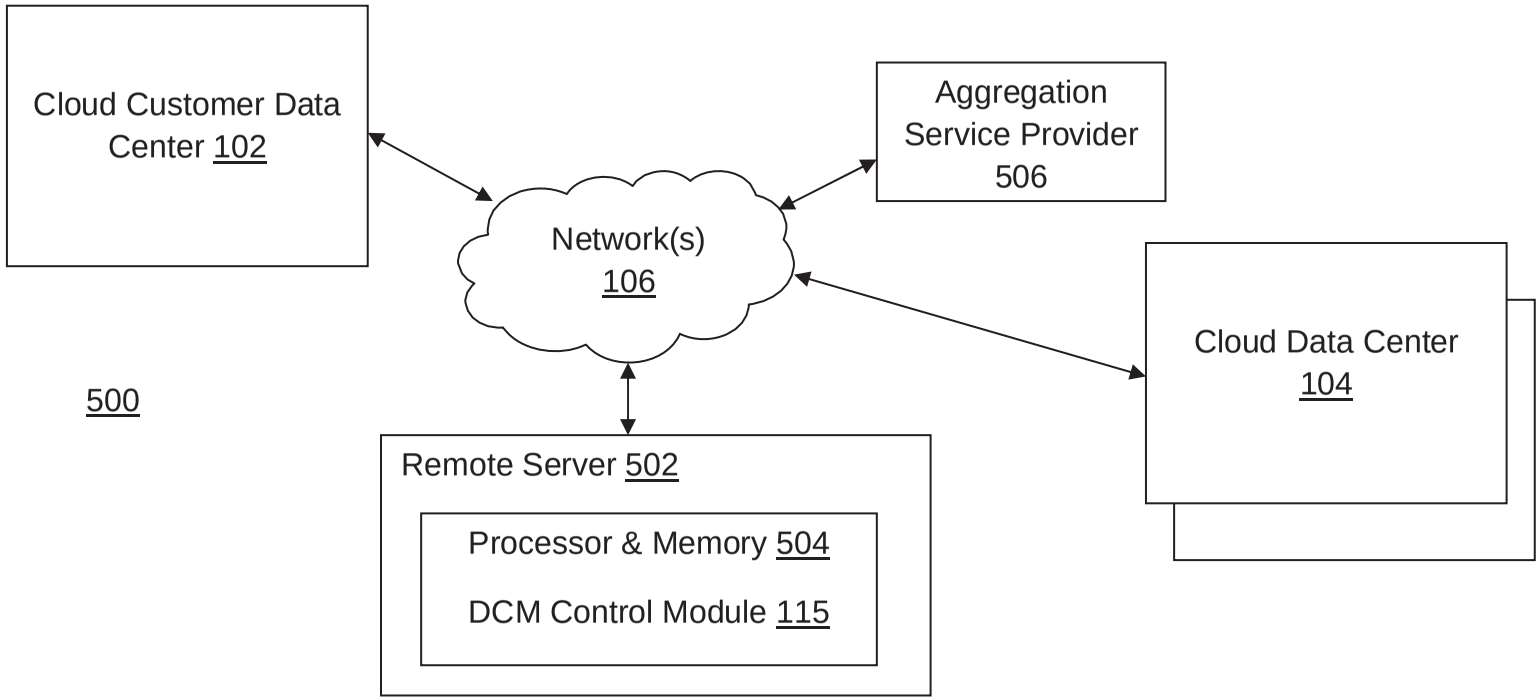
Cloud Customer Data Center 102
Aggregation Service Provider 506
Network(s) 106
Cloud Data Center 104
500
Remote Server 502
Processor & Memory 504
DCM Control Module 115

FIG. 5