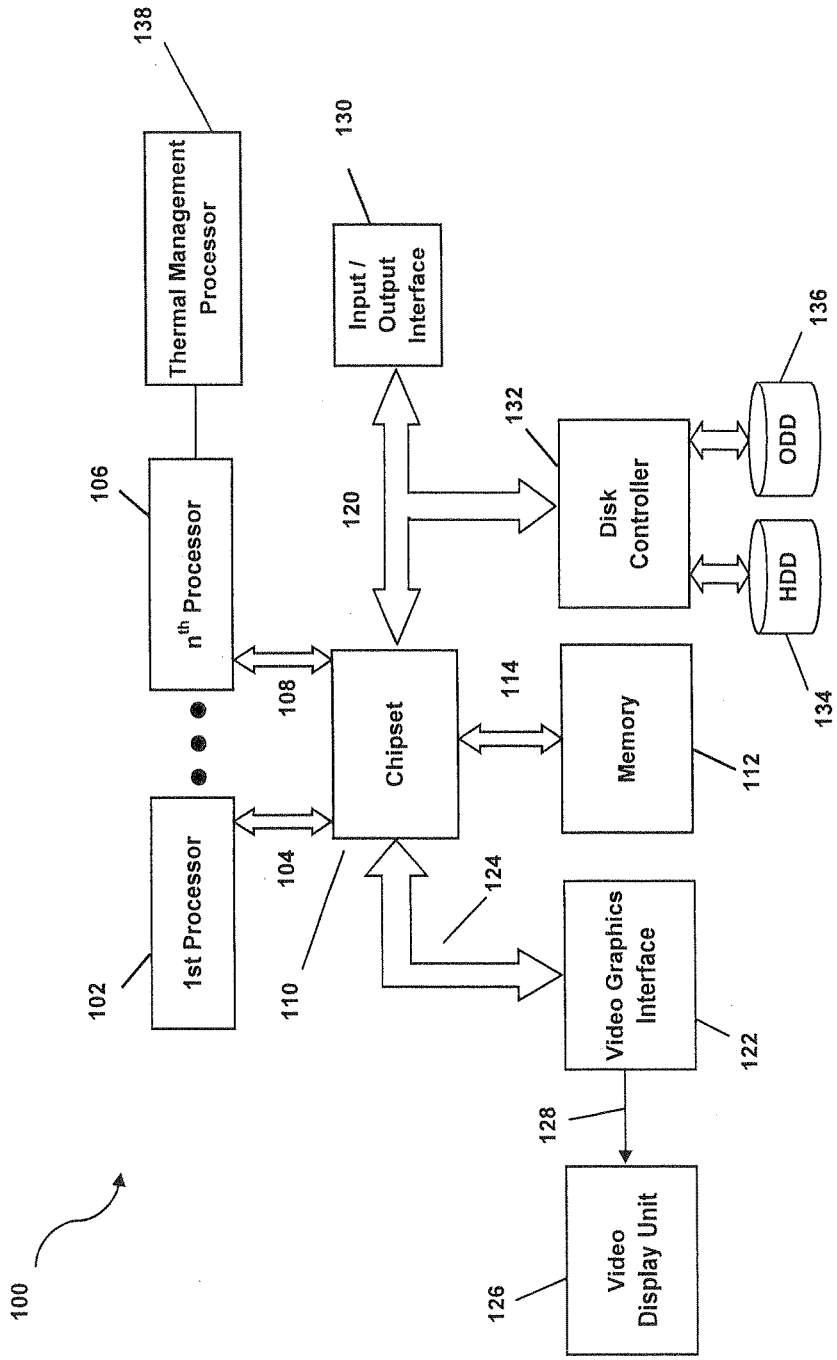

100
102
1st Processor
104
106
n^th Processor
108
110
Chipset
112
Memory
114
120
Input / Output Interface
122
Video Graphics Interface
124
126
Video Display Unit
128
130
132
Disk Controller
134
HDD
136
ODD
138
Thermal Management Processor

FIG. 1

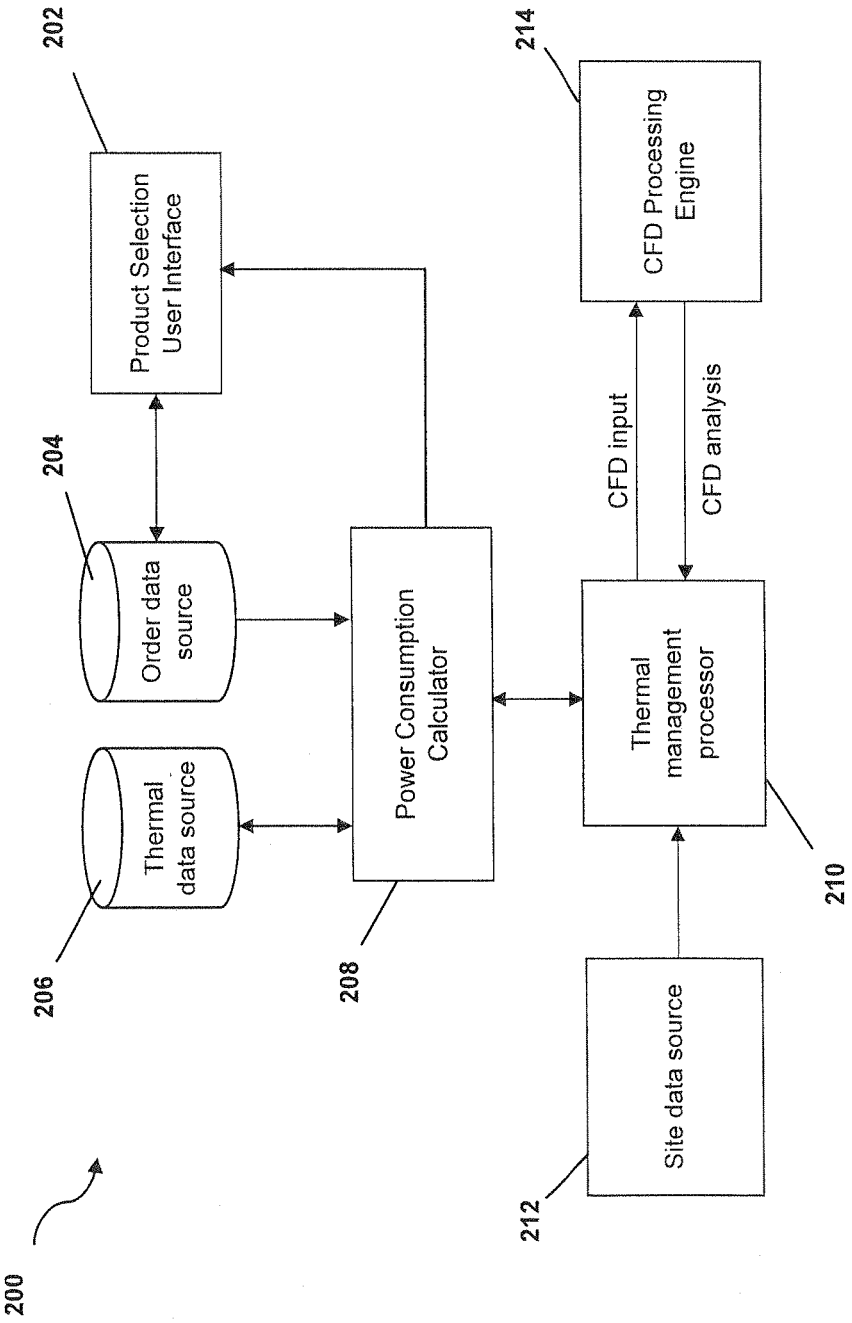

200
202
Product Selection User Interface
204
Order data source
206
Thermal data source
208
Power Consumption Calculator
210
Thermal management processor
212
Site data source
214
CFD Processing Engine
CFD input
CFD analysis

FIG. 2

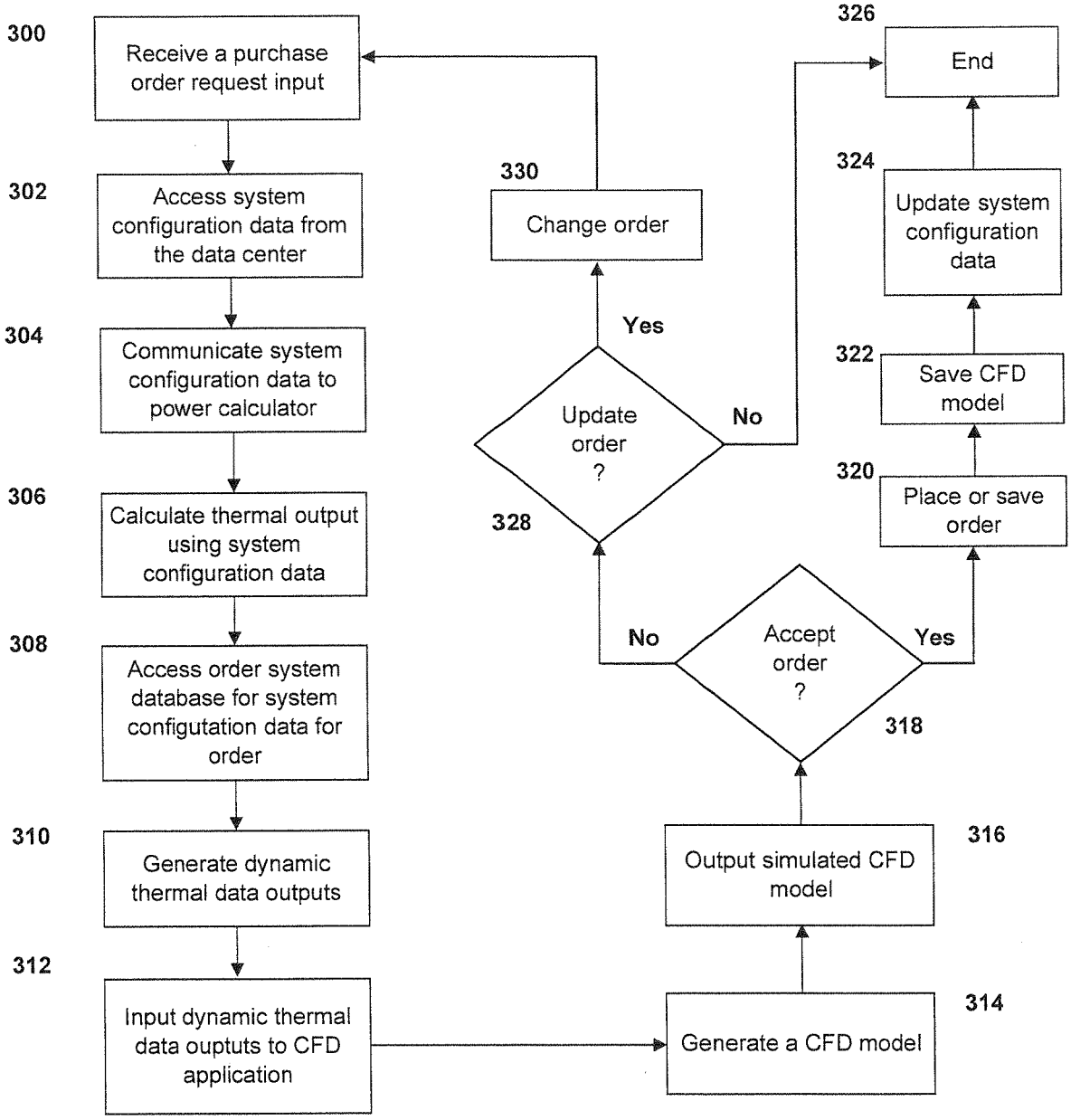

300
Receive a purchase order request input
302
Access system configuration data from the data center
304
Communicate system configuration data to power calculator
306
Calculate thermal output using system configuration data
308
Access order system database for system configutation data for order
310
Generate dynamic thermal data outputs
312
Input dynamic thermal data ouptuts to CFD application
314
Generate a CFD model
316
Output simulated CFD model
318
Accept order ?
No
Yes
328
Update order ?
Yes
No
330
Change order
320
Place or save order
322
Save CFD model
324
Update system configuration data
326
End

FIG. 3