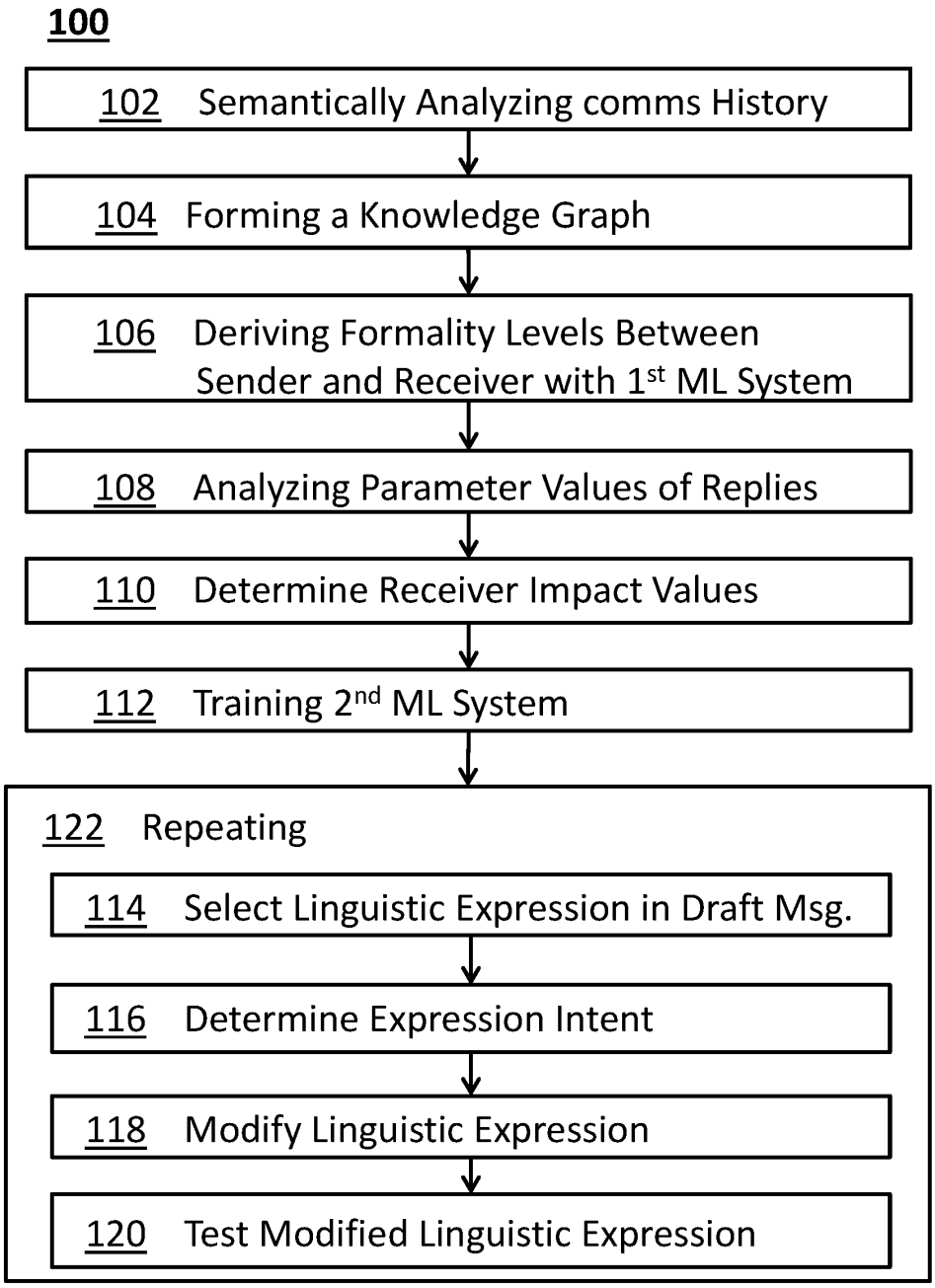

100
102 Semantically Analyzing comms History
104 Forming a Knowledge Graph
106 Deriving Formality Levels Between Sender and Receiver with 1st ML System
108 Analyzing Parameter Values of Replies
110 Determine Receiver Impact Values
112 Training 2nd ML System
122 Repeating
114 Select Linguistic Expression in Draft Msg.
116 Determine Expression Intent
118 Modify Linguistic Expression
120 Test Modified Linguistic Expression

FIG. 1

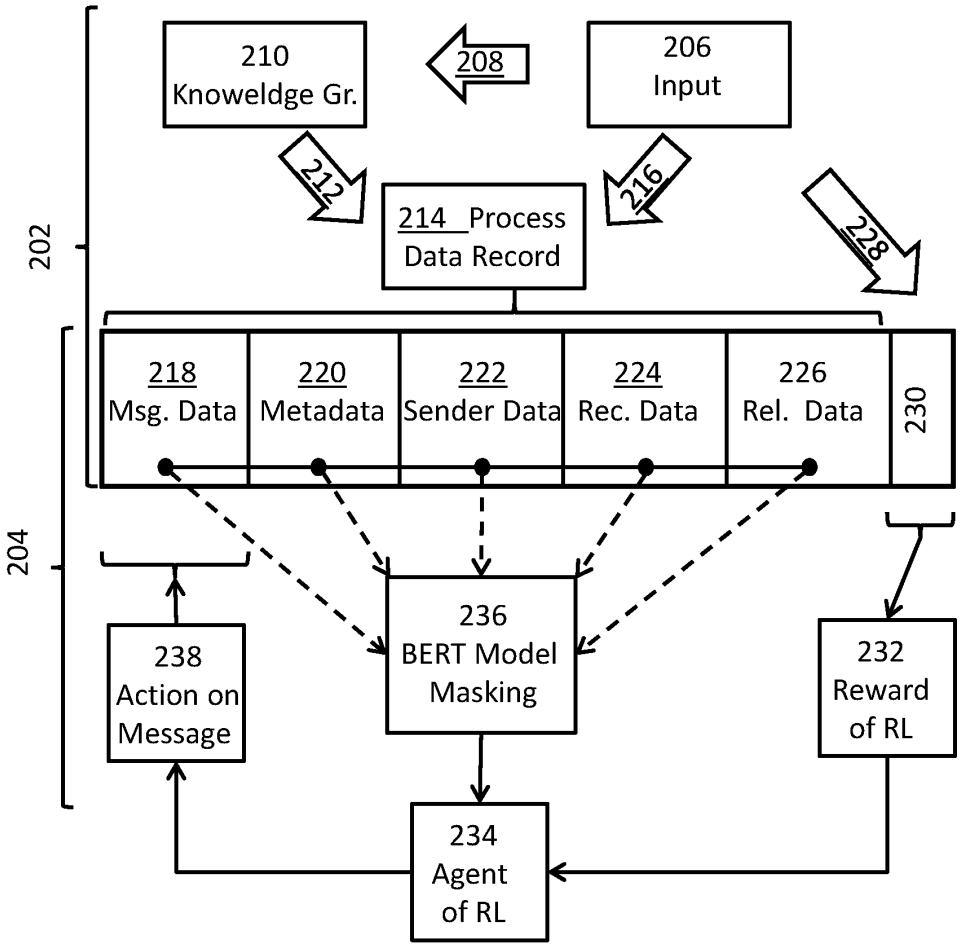

200
210
Knowledge Gr.
208
206
Input
212
216
228
214 Process
Data Record
202
218
Msg. Data
220
Metadata
222
Sender Data
224
Rec. Data
226
Rel. Data
230
204
238
Action on
Message
236
BERT Model
Masking
232
Reward
of RL
234
Agent
of RL

FIG. 2

Pre-Processing
300

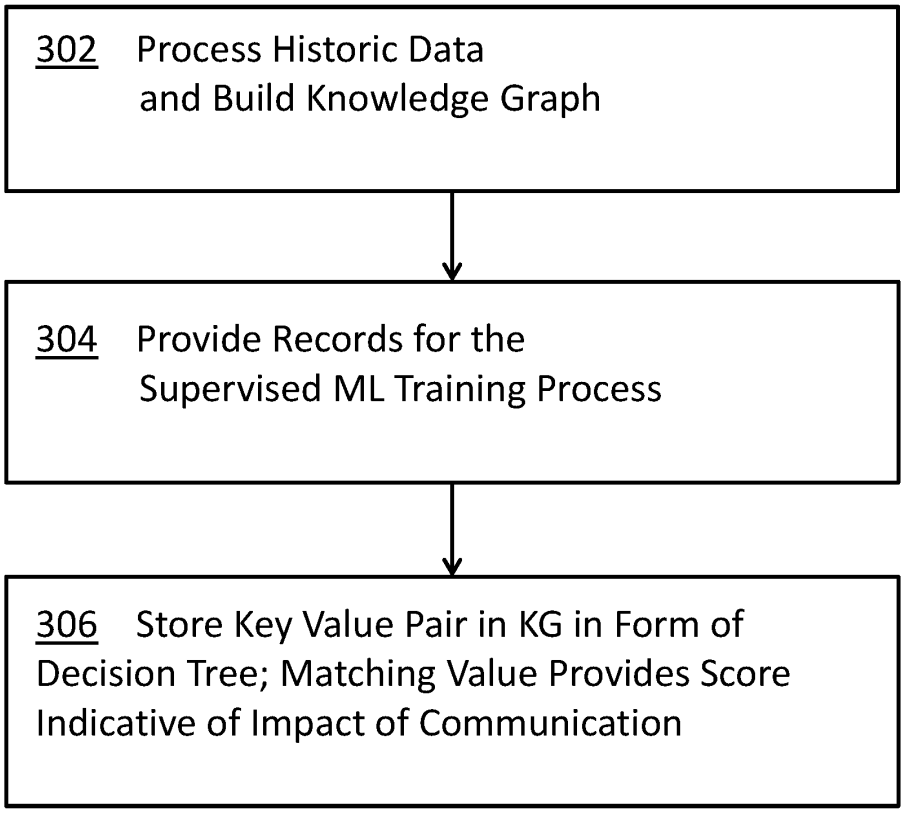


FIG. 3

400

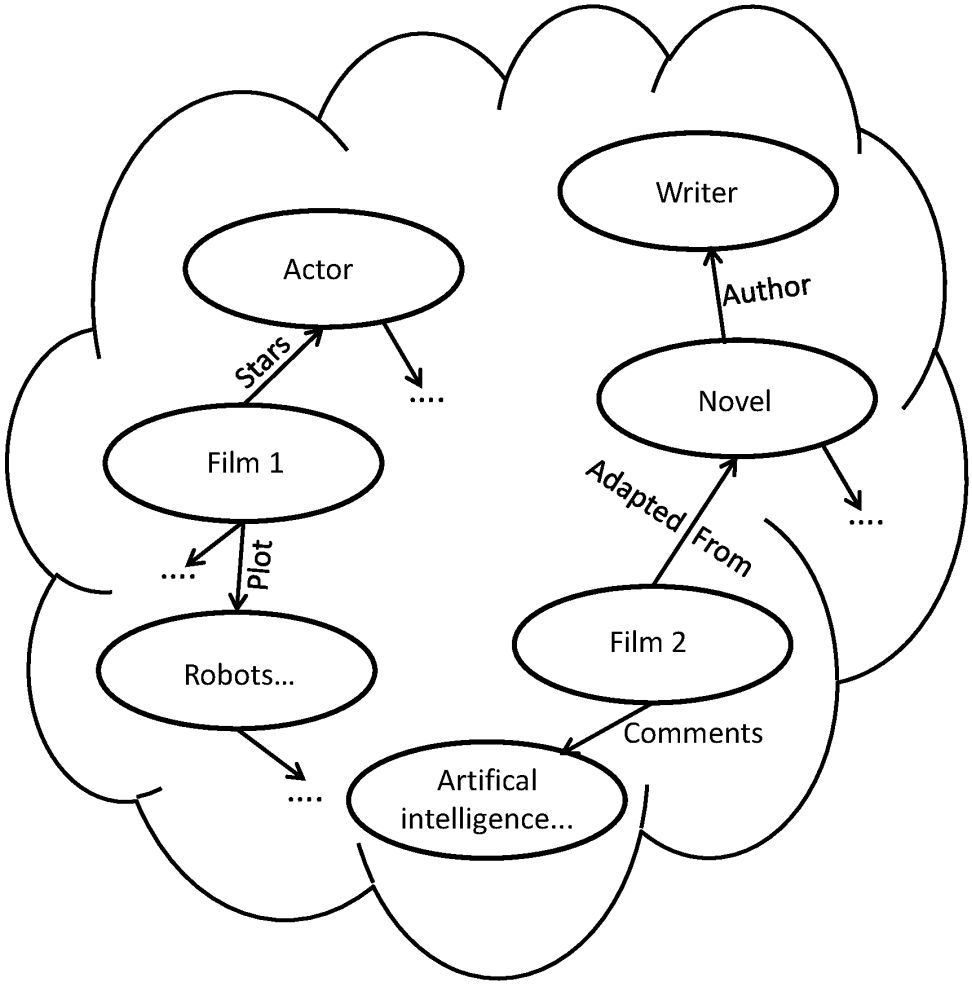

Writer
Actor
Author
Stars
....
Novel
Film 1
Adapted
From
....
....
Plot
Film 2
Robots...
Comments
....
Artifical
intelligence...

FIG. 4

500

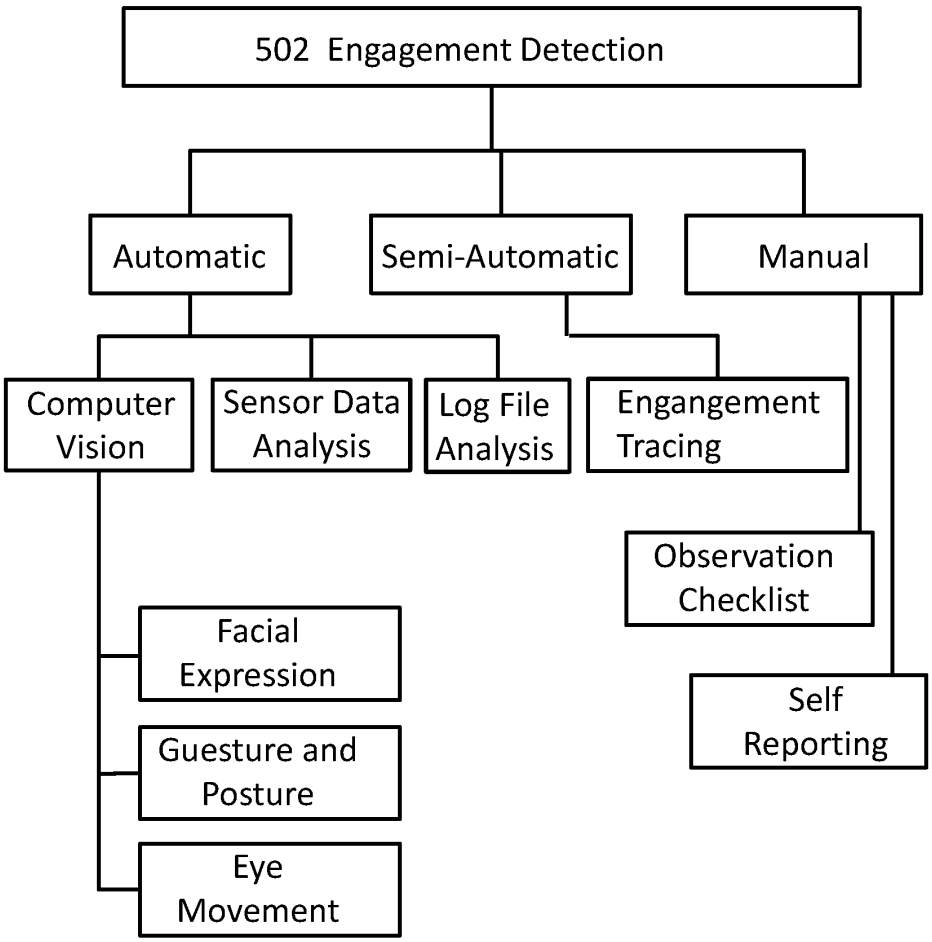

502 Engagement Detection
Automatic
Semi-Automatic
Manual
Computer Vision
Sensor Data Analysis
Log File Analysis
Engangement Tracing
Observation Checklist
Facial Expression
Guesture and Posture
Eye Movement
Self Reporting

FIG. 5

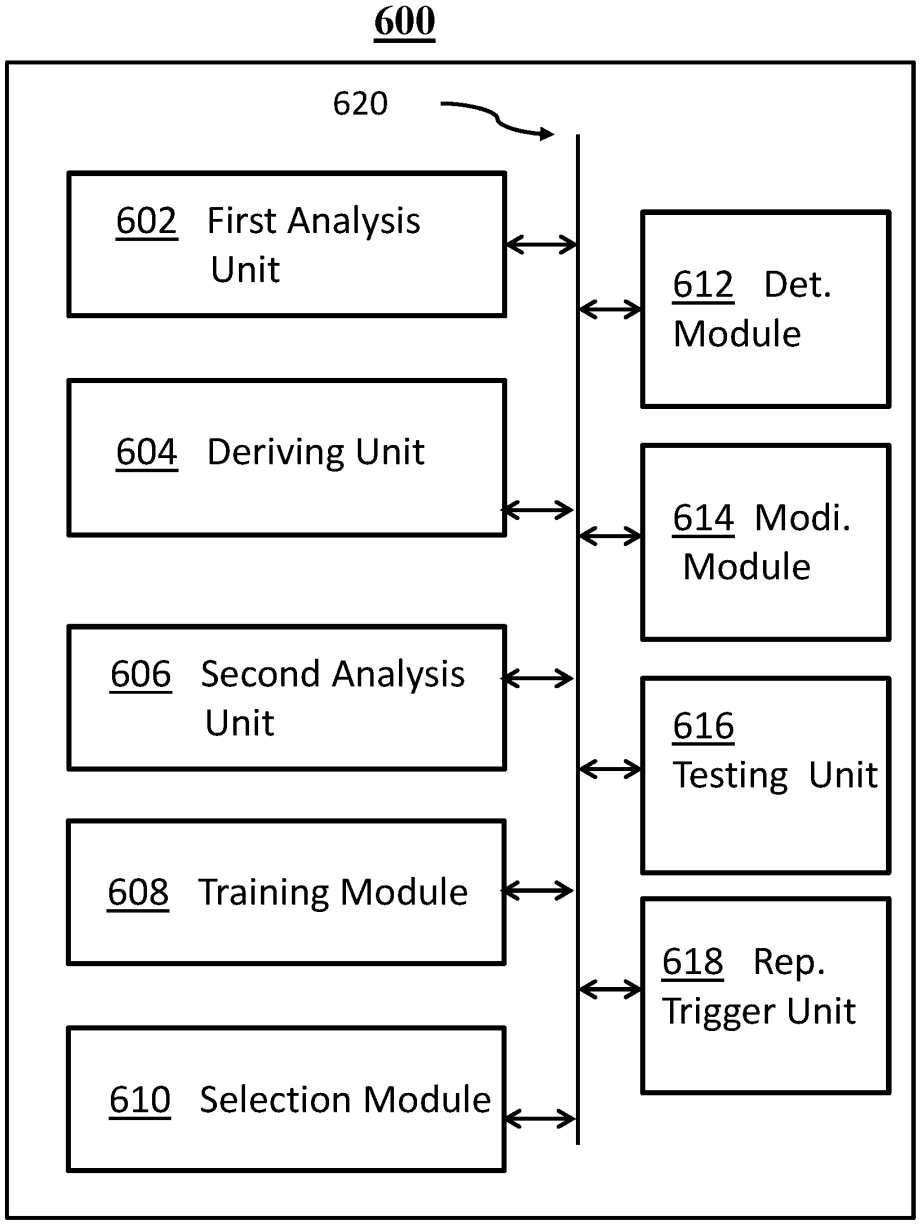

600
620
602 First Analysis Unit
604 Deriving Unit
606 Second Analysis Unit
608 Training Module
610 Selection Module
612 Det. Module
614 Modi. Module
616 Testing Unit
618 Rep. Trigger Unit

FIG. 6

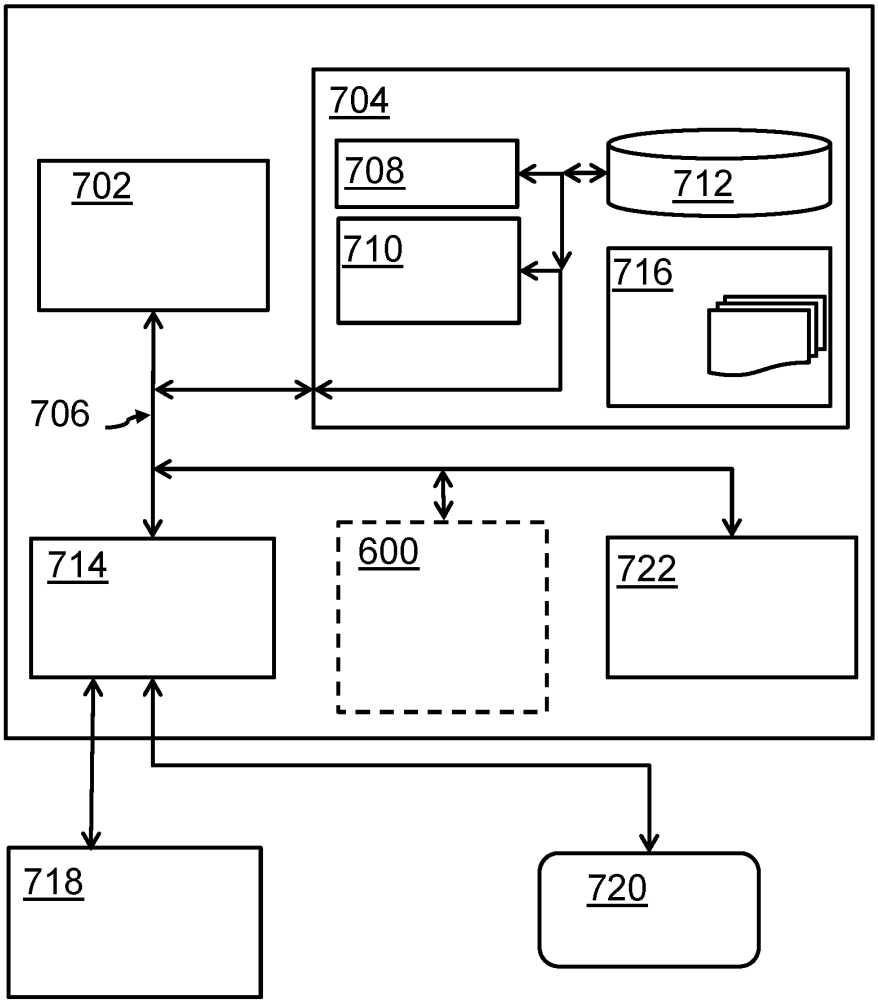


FIG. 7

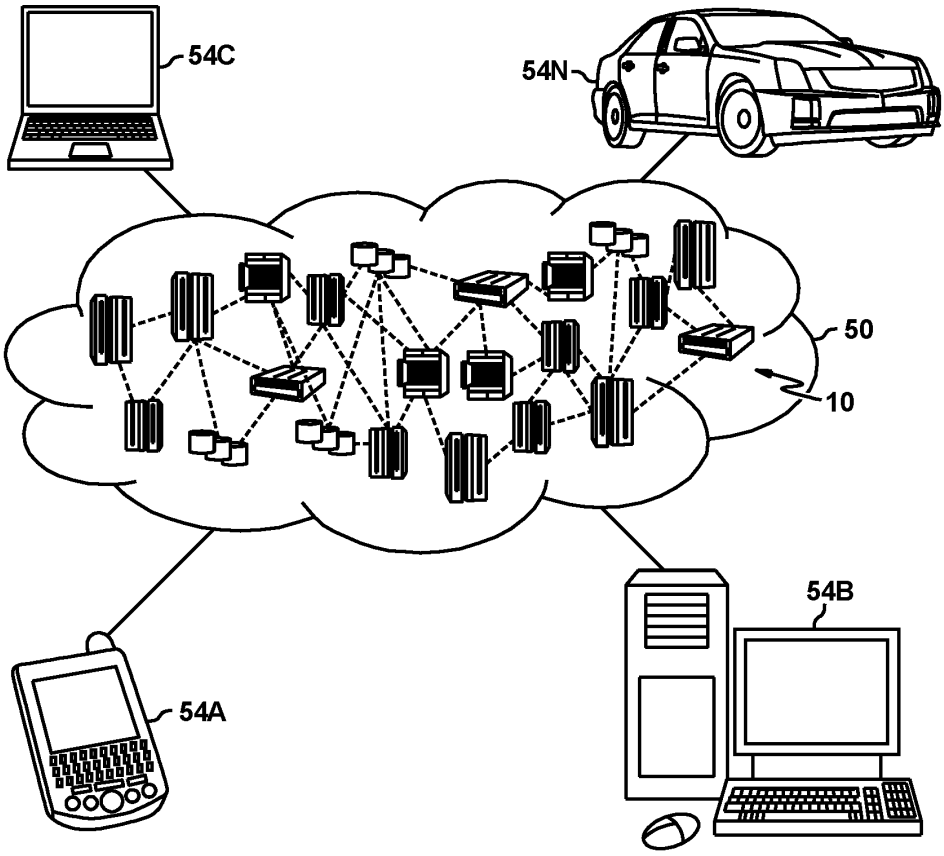
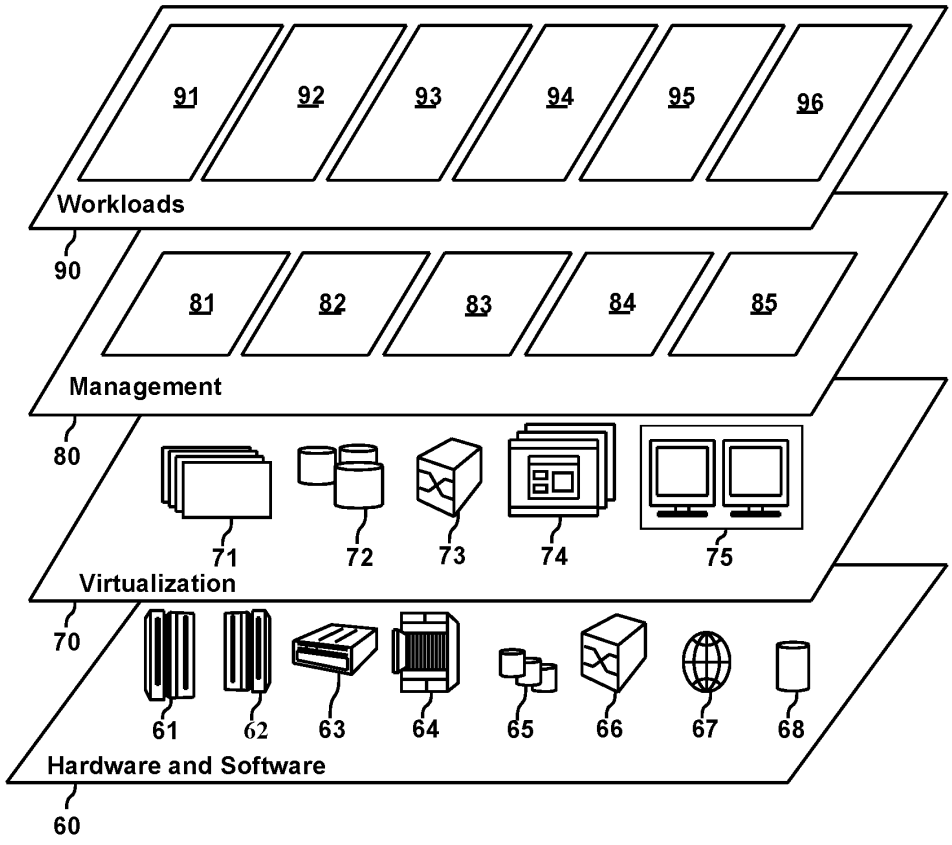


FIG. 8


91
92
93
94
95
96
Workloads
90
81
82
83
84
85
Management
80
71
72
73
74
75
Virtualization
70
61
62
63
64
65
66
67
68
Hardware and Software
60

.

FIG. 9