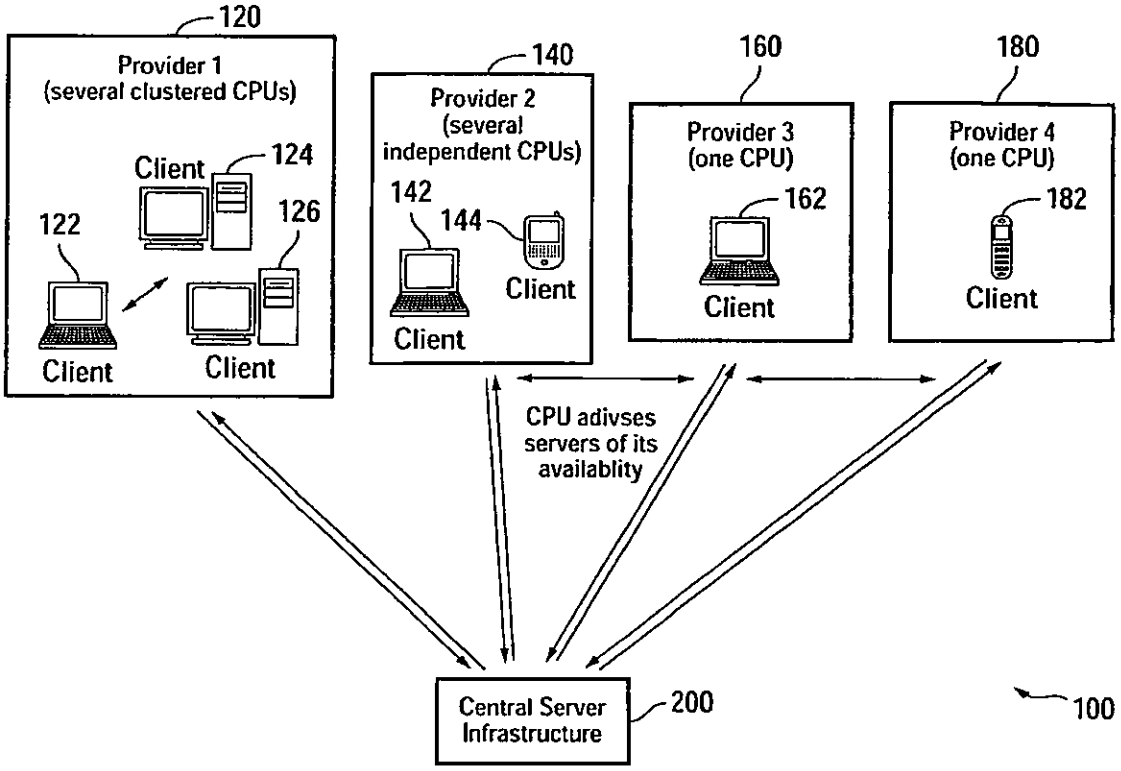

120
Provider 1
(several clustered CPUs)
Client
124
122
126
Client
Client
140
Provider 2
(several
independent CPUs)
142
144
Client
Client
160
Provider 3
(one CPU)
162
Client
180
Provider 4
(one CPU)
182
Client
CPU adivses
servers of its
availablity
Central Server
Infrastructure
200
100

FIG. 1

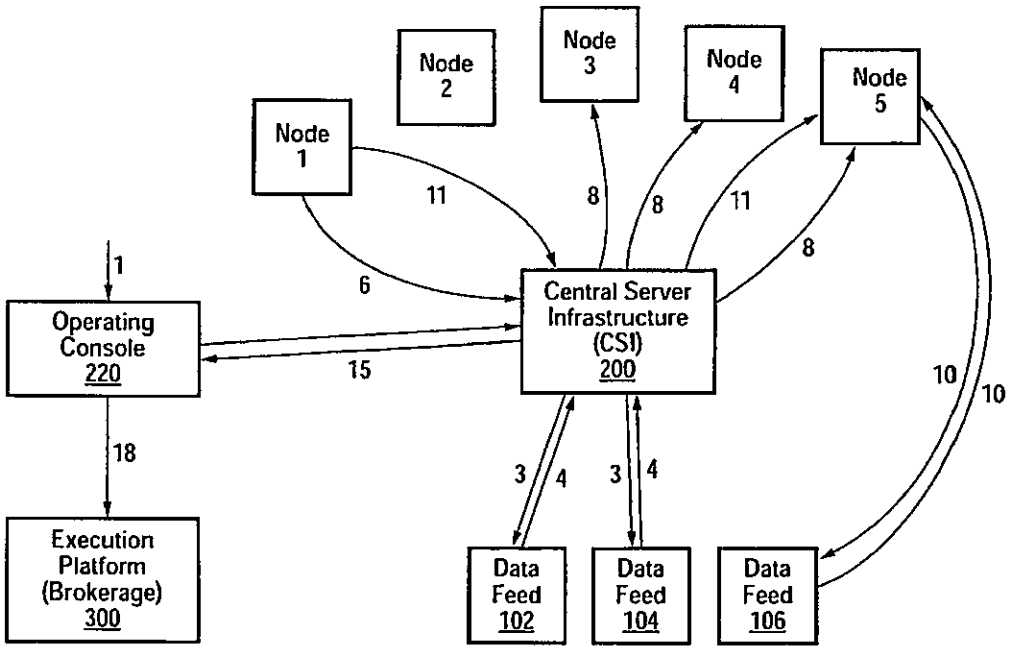

Node
1
Node
2
Node
3
Node
4
Node
5
11
8
8
11
8
6
1
Operating
Console
220
15
Central Server
Infrastructure
(CSI)
200
10
10
18
3
4
3
4
Execution
Platform
(Brokerage)
300
Data
Feed
102
Data
Feed
104
Data
Feed
106

FIG. 2

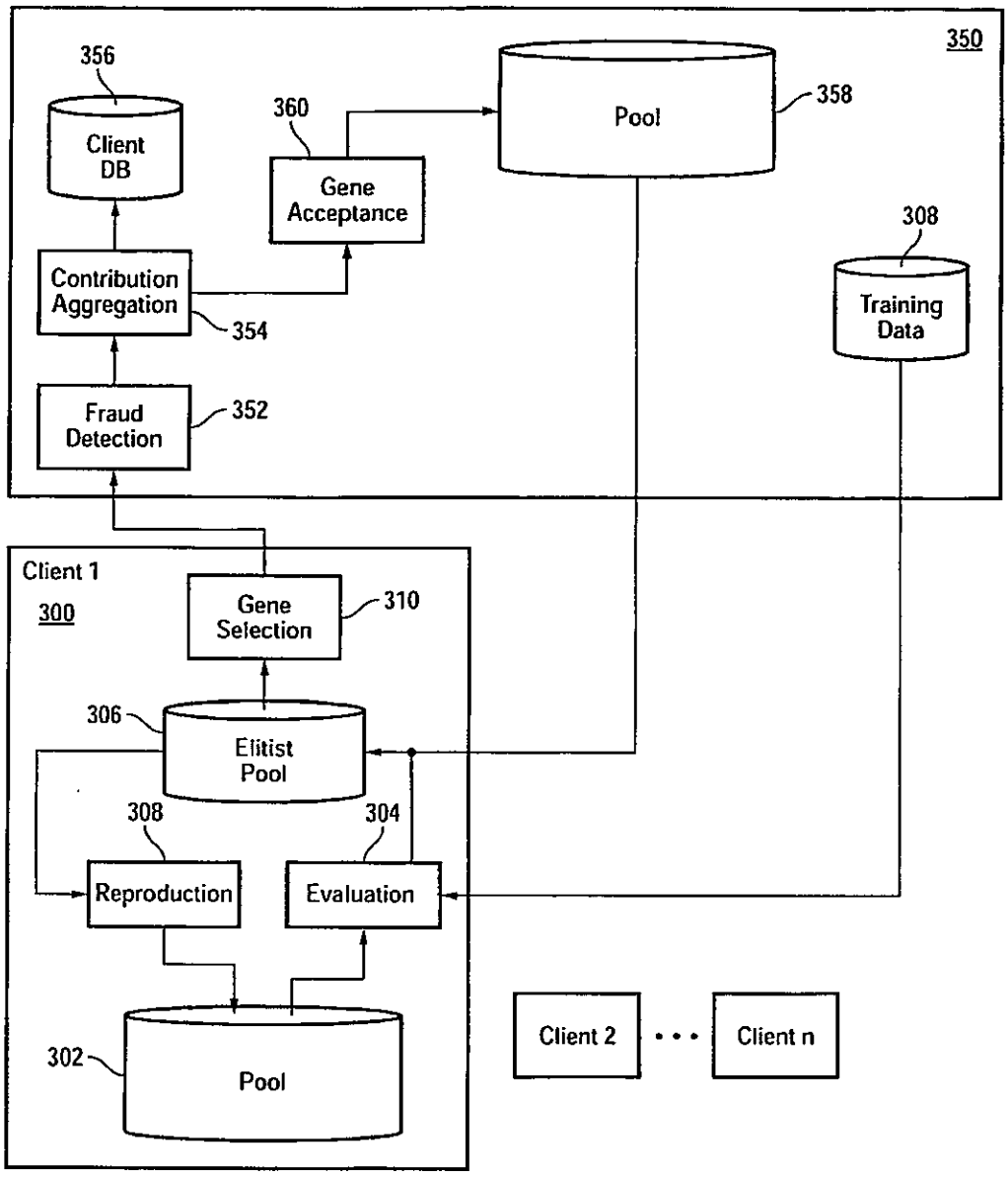

350
356
Client DB
360
Gene Acceptance
Pool
358
308
Training Data
Contribution Aggregation
354
Fraud Detection
352
Client 1
300
Gene Selection
310
306
Elitist Pool
308
304
Reproduction
Evaluation
302
Pool
Client 2
Client n

FIG. 3

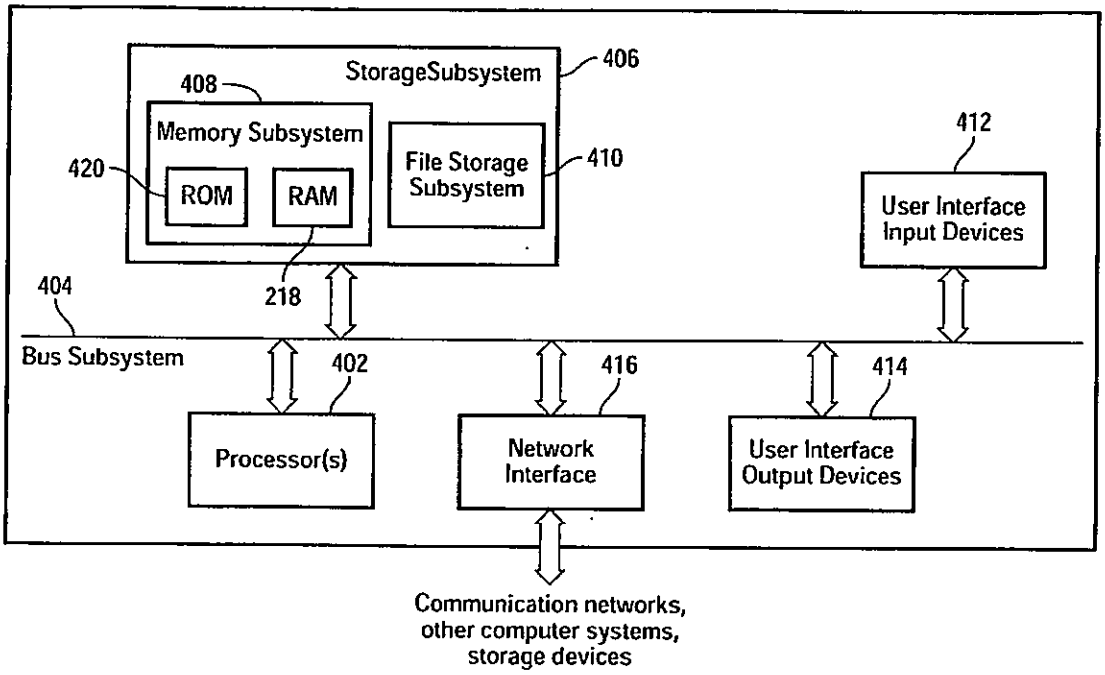

StorageSubsystem
406
408
Memory Subsystem
420
ROM
RAM
File Storage Subsystem
410
412
User Interface Input Devices
218
404
Bus Subsystem
402
416
414
Processor(s)
Network Interface
User Interface Output Devices
Communication networks, other computer systems, storage devices

FIG. 4