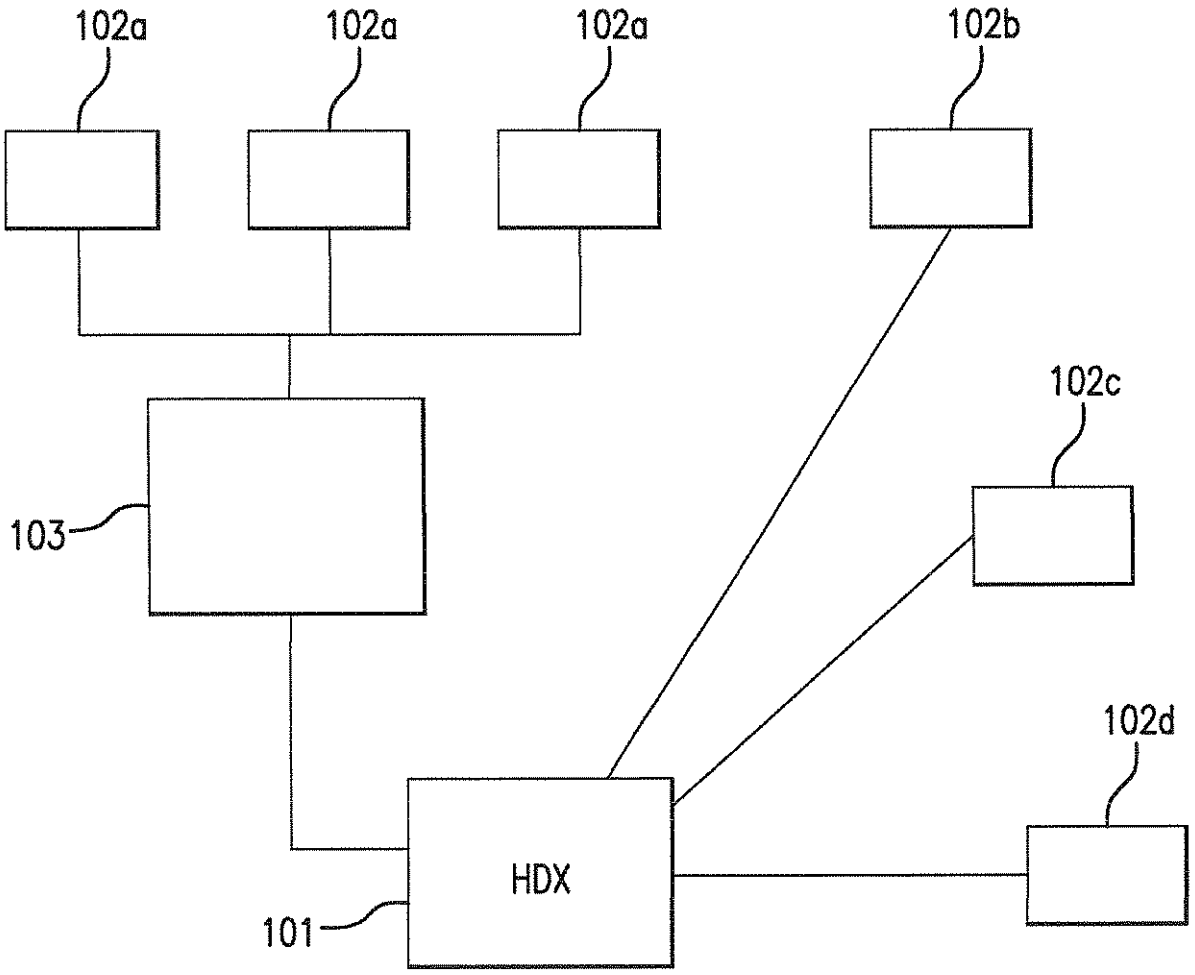


FIG. 1A

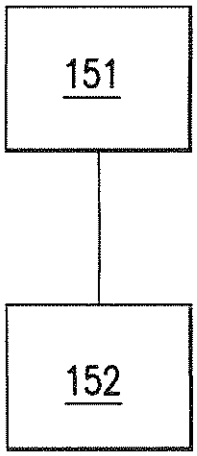


FIG. 1B

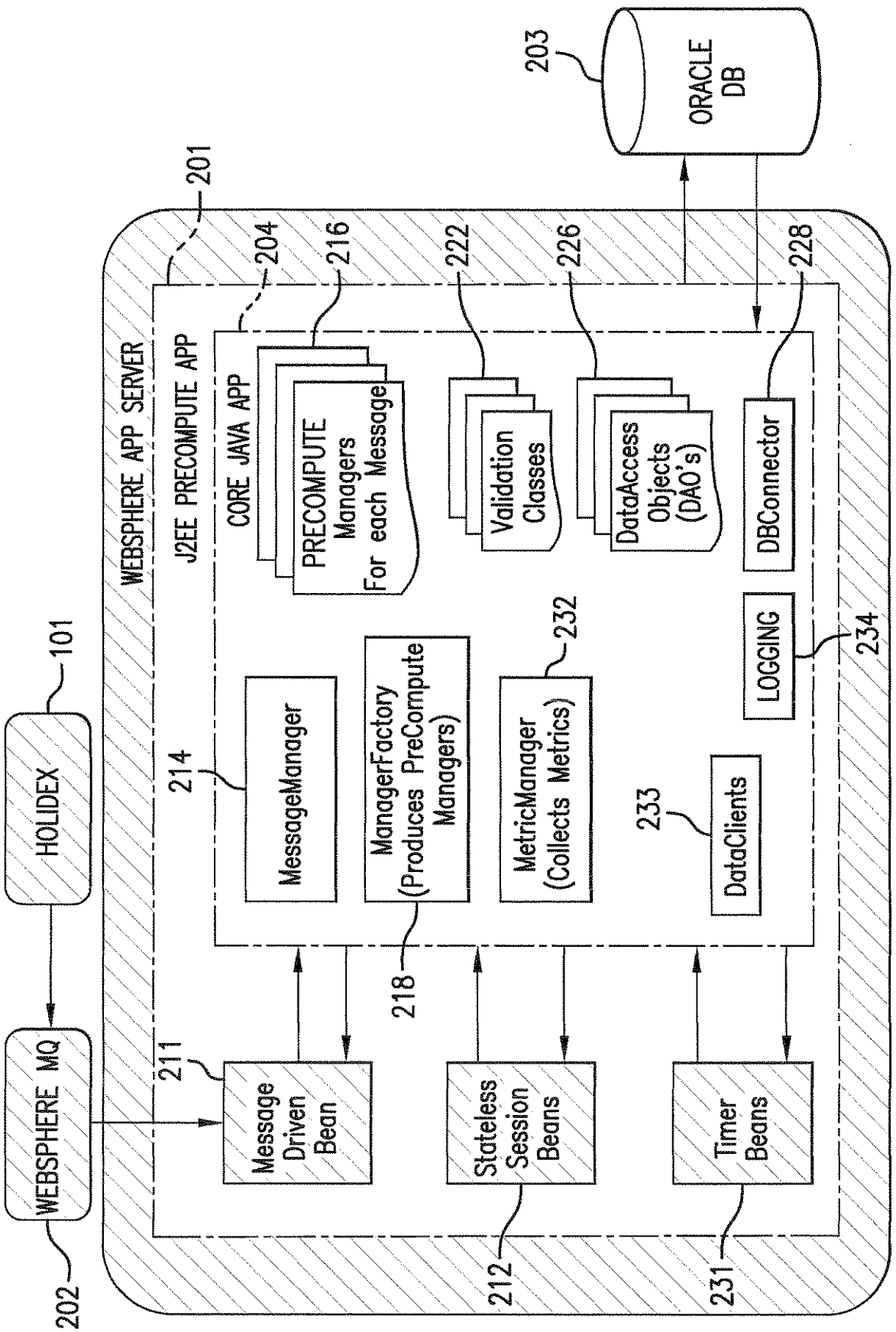

HOLIDEX
101
WEBSPHERE MQ
202
211
WEBSPHERE APP SERVER
201
J2EE PRECOMPUTE APP
204
CORE JAVA APP
214
MessageManager
ManagerFactory (Produces PreCompute Managers)
218
MetricManager (Collects Metrics)
232
DataClients
233
LOGGING
234
Message Driven Bean
Stateless Session Beans
212
Timer Beans
231
PRECOMPUTE Managers For each Message
216
Validation Classes
222
DataAccess Objects (DAO's)
226
DBConnector
228
ORACLE DB
203

FIG.2

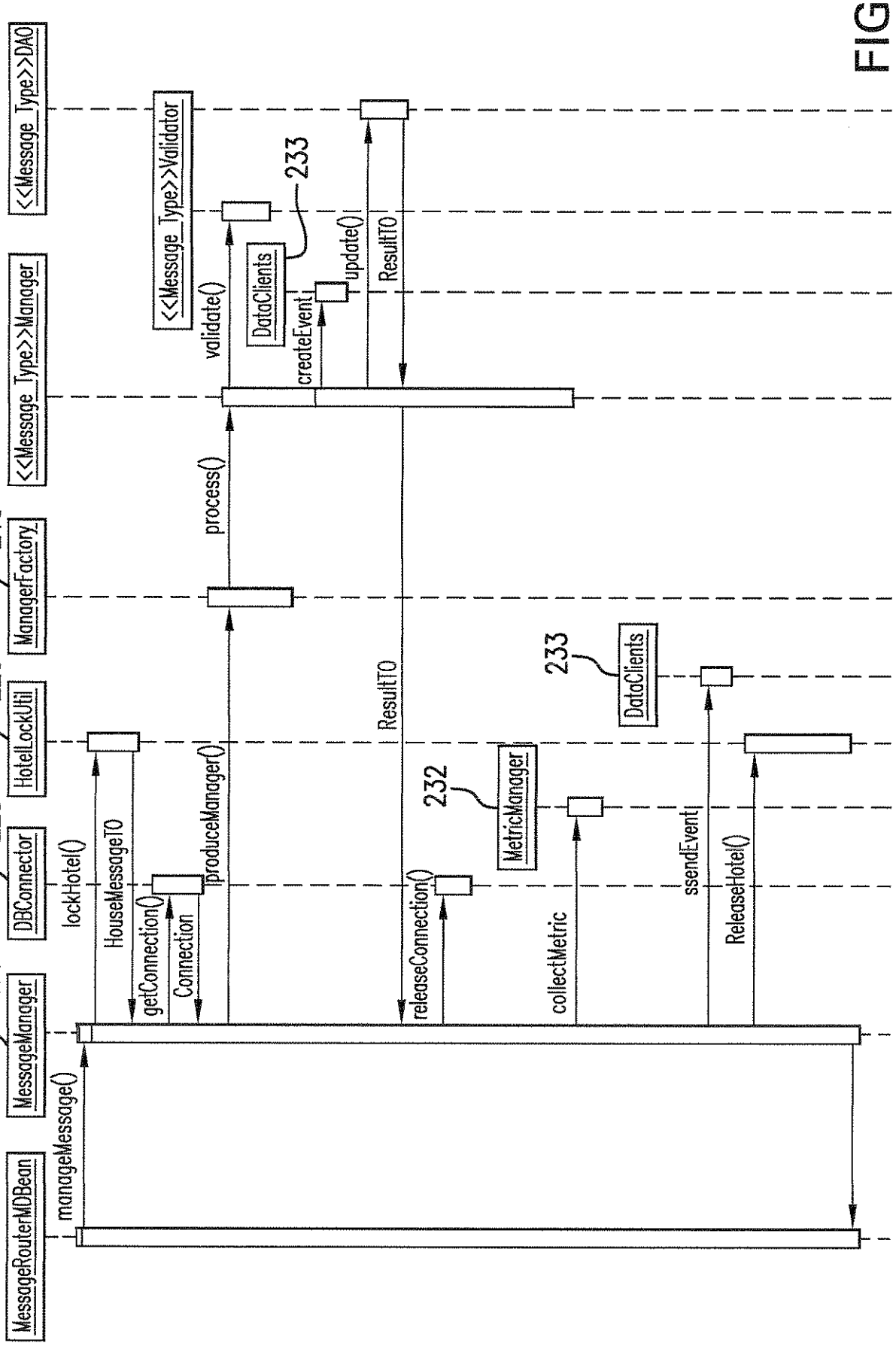

MessageRouterMDBean
MessageManager
214
DBConnector
228
HotelLockUtil
220
ManagerFactory
218
<<Message_Type>>Manager
<<Message_Type>>Validator
<<Message_Type>>DAO
DataClients
233
MetricManager
232
manageMessage()
lockHotel()
HouseMessageTO
getConnection()
Connection
produceManager()
process()
validate()
createEvent
update()
ResultTO
releaseConnection()
collectMetric
ssendEvent
ReleaseHotel()

FIG.3

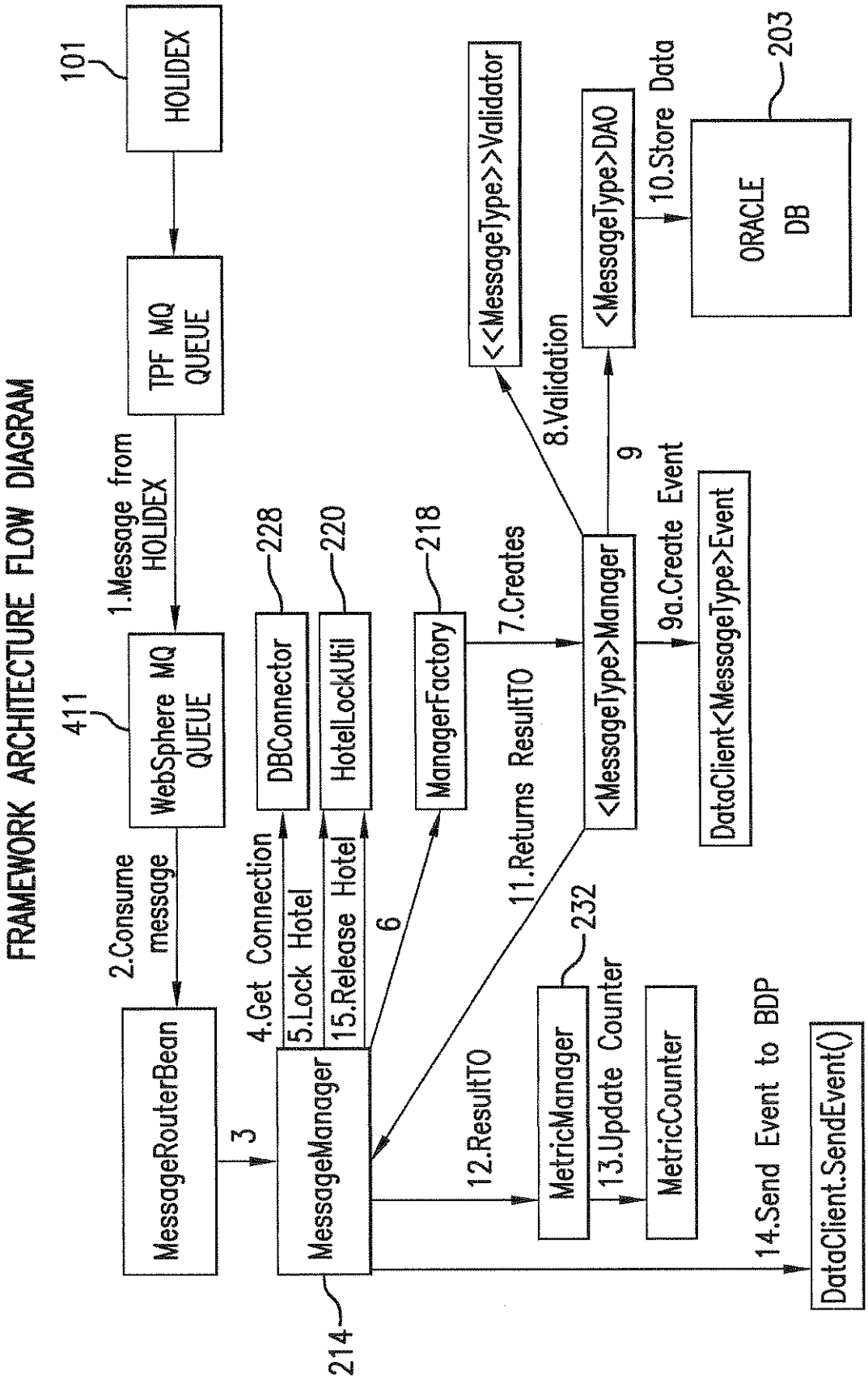

FRAMEWORK ARCHITECTURE FLOW DIAGRAM
HOLIDEX
101
TPF MQ QUEUE
1.Message from HOLIDEX
WebSphere MQ QUEUE
411
2.Consume message
MessageRouterBean
3
MessageManager
214
4.Get Connection
5.Lock Hotel
15.Release Hotel
DBConnector
228
HotelLockUtil
220
6
ManagerFactory
218
7.Creates
12.ResultTO
11.Returns ResultTO
MetricManager
232
13.Update Counter
MetricCounter
14.Send Event to BDP
DataClient.SendEvent()
<<MessageType>>Validator
8.Validation
<MessageType>Manager
9
9a.Create Event
DataClient<MessageType>Event
<MessageType>DAO
10.Store Data
ORACLE DB
203

FIG.4

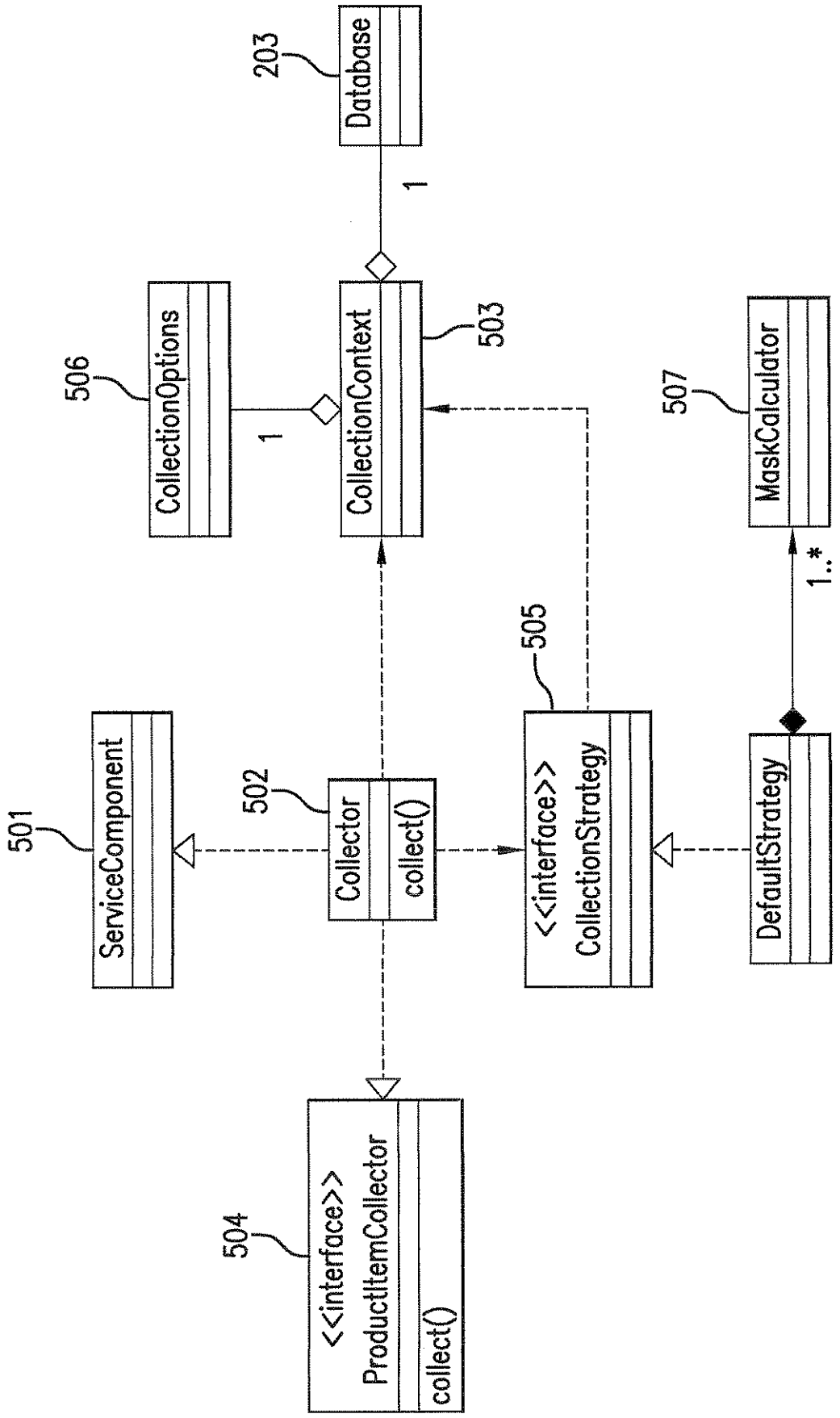

203
Database
1
506
CollectionOptions
1
CollectionContext
503
507
MaskCalculator
1..*
505
501
ServiceComponent
502
Collector
collect()
<<interface>>
CollectionStrategy
DefaultStrategy
504
<<interface>>
ProductItemCollector
collect()

FIG. 5

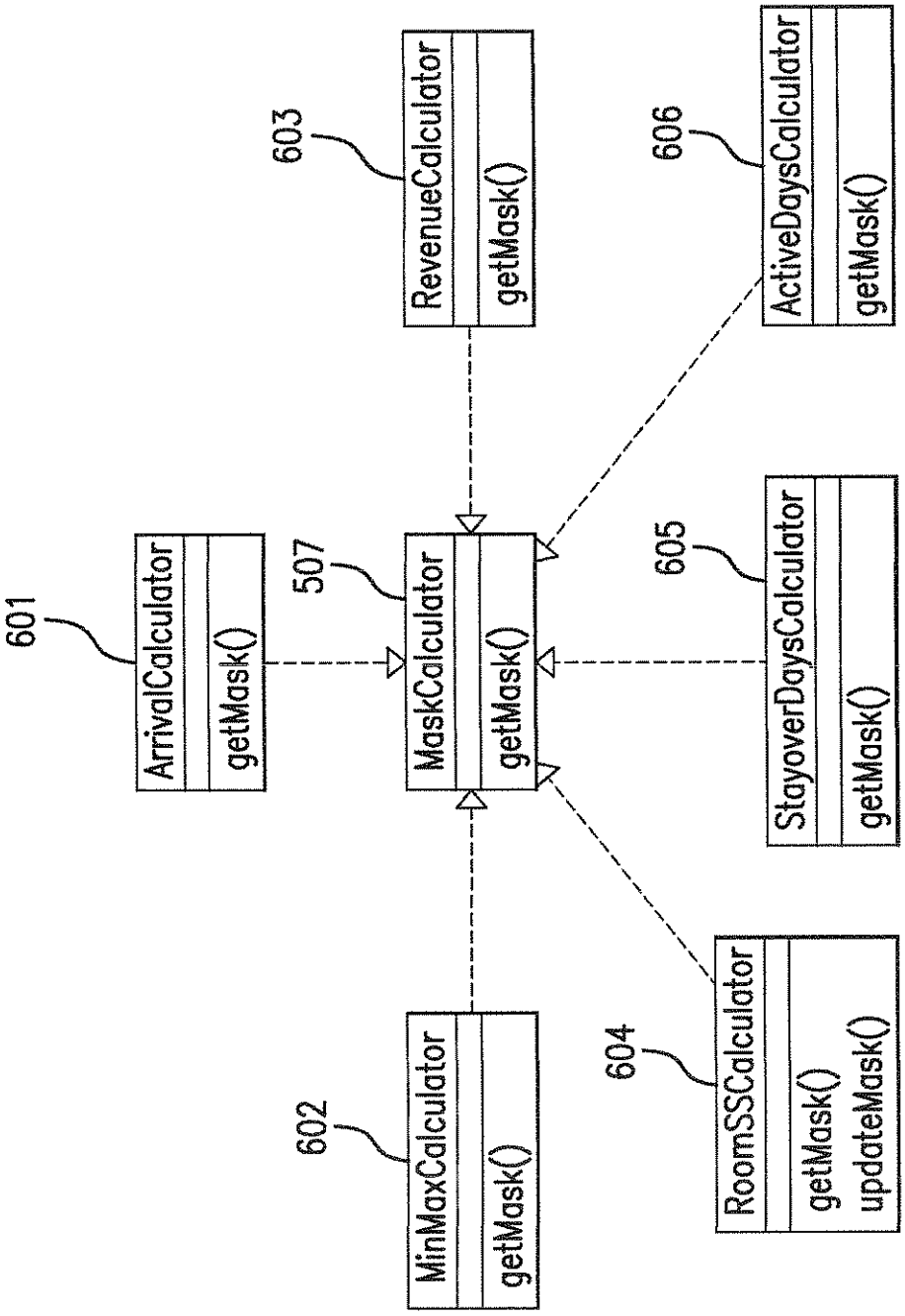

601
ArrivalCalculator
getMask()
602
MinMaxCalculator
getMask()
603
RevenueCalculator
getMask()
604
RoomSSCalculator
getMask()
updateMask()
605
StayoverDaysCalculator
getMask()
606
ActiveDaysCalculator
getMask()
507
MaskCalculator
getMask()

FIG.6

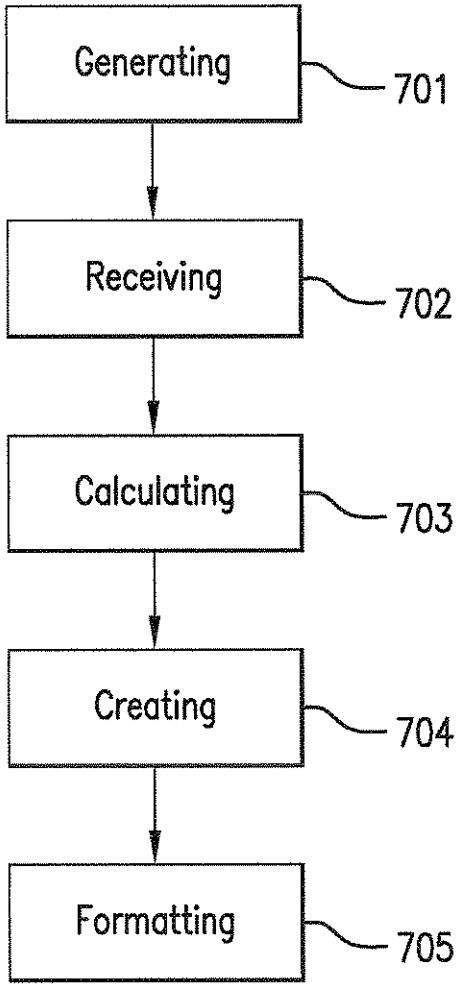

Generating
701
Receiving
702
Calculating
703
Creating
704
Formatting
705

FIG. 7