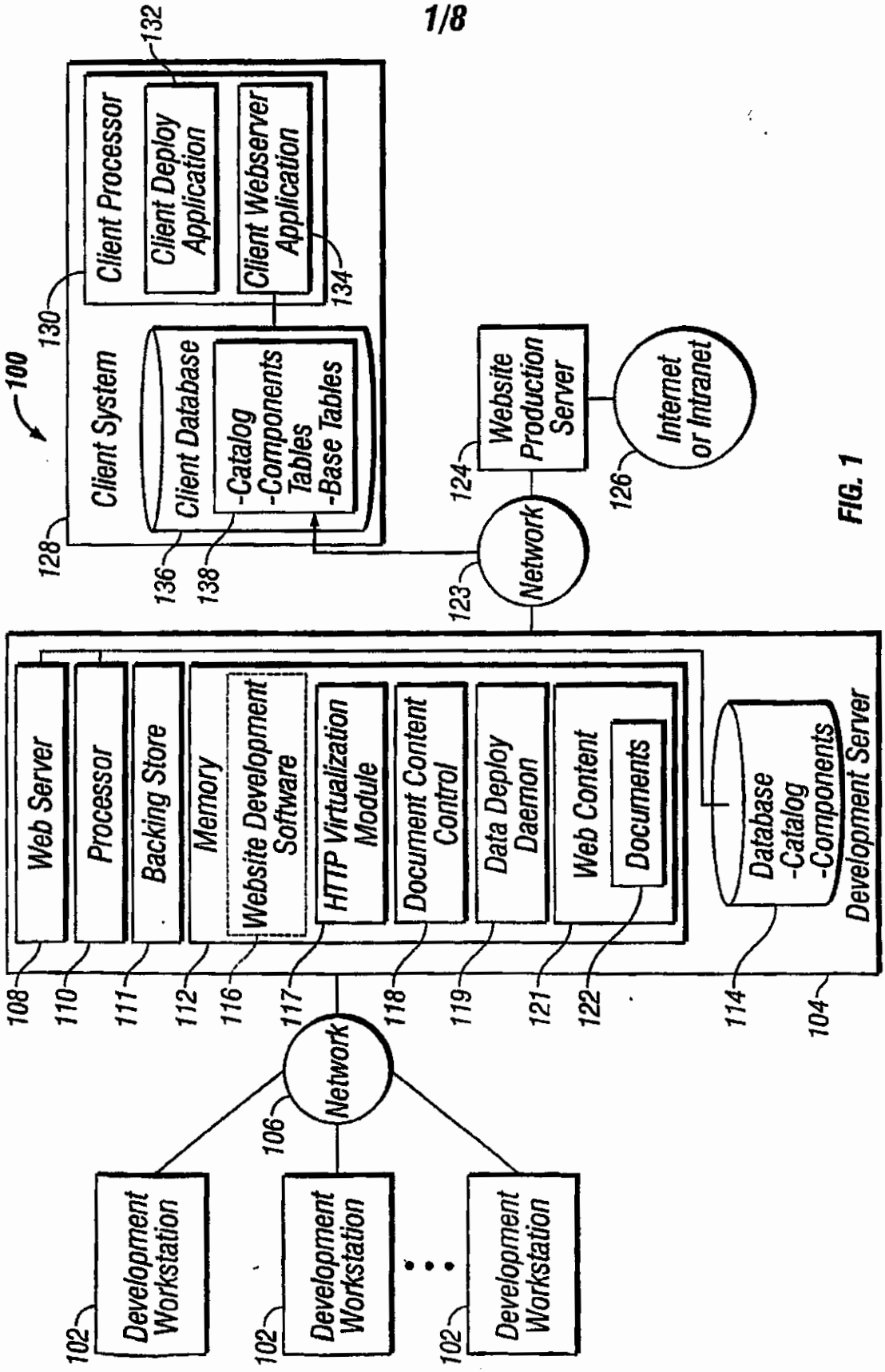

100
Client System
Client Processor
Client Deploy Application
Client Webserver Application
Client Database
-Catalog
-Components
Tables
-Base Tables
Website Production Server
Internet or Intranet
Network
Web Server
Processor
Backing Store
Memory
Website Development Software
HTTP Virtualization Module
Document Content Control
Data Deploy Daemon
Web Content
Documents
Database
-Catalog
-Components
Development Server
Network
Development Workstation
Development Workstation
Development Workstation
102
102
102
104
106
108
110
111
112
114
116
117
118
119
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132
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138

FIG. 1

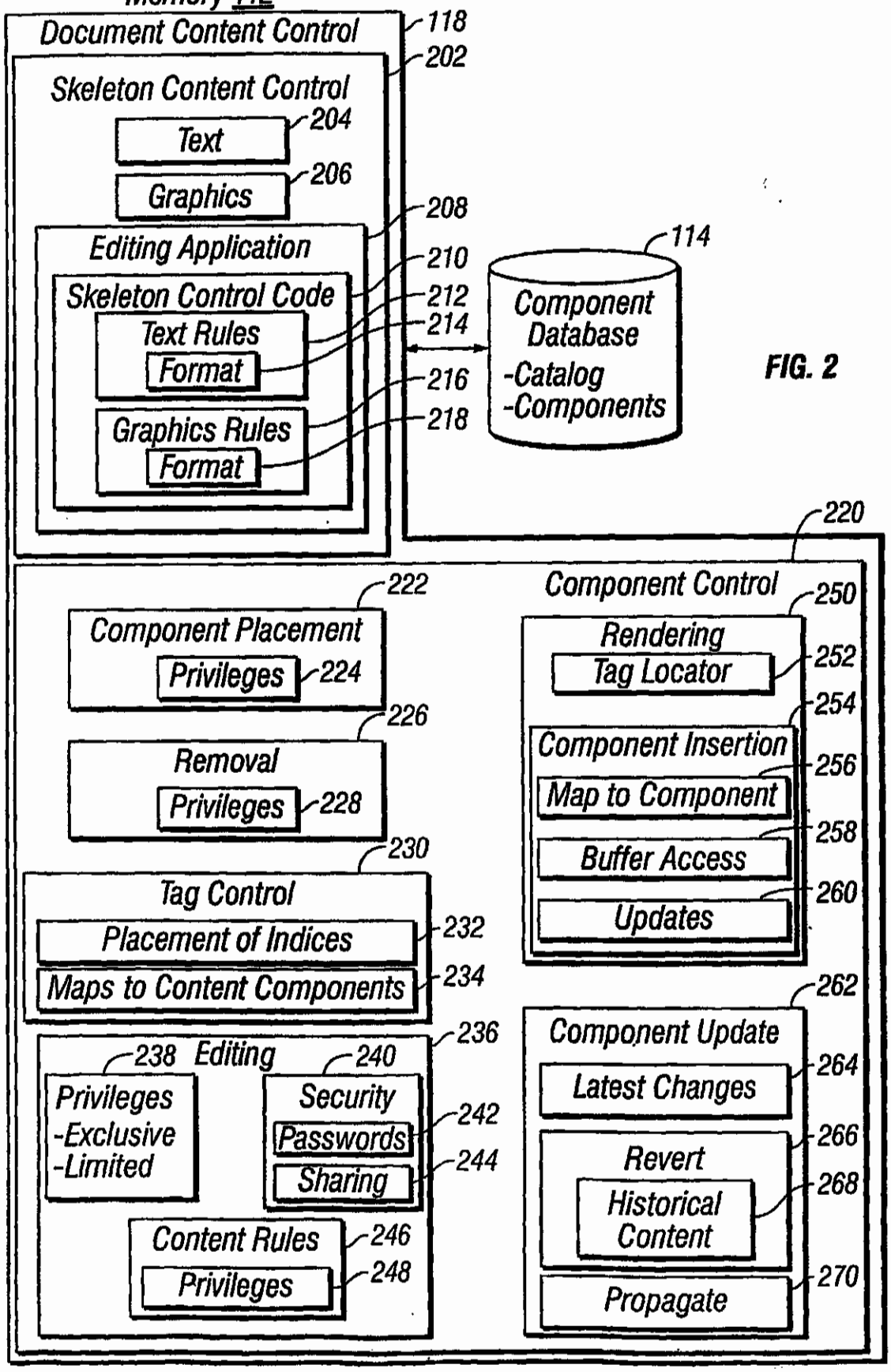

Memory 112
Document Content Control
118
202
Skeleton Content Control
Text
204
Graphics
206
208
Editing Application
210
Skeleton Control Code
212
Text Rules
214
Format
216
Graphics Rules
218
Format
114
Component Database
-Catalog
-Components
220
Component Control
222
Component Placement
Privileges
224
226
Removal
Privileges
228
230
Tag Control
Placement of Indices
232
Maps to Content Components
234
236
238 Editing
240
Privileges
-Exclusive
-Limited
Security
242
Passwords
244
Sharing
Content Rules
246
Privileges
248
250
Rendering
252
Tag Locator
254
Component Insertion
256
Map to Component
258
Buffer Access
260
Updates
262
Component Update
264
Latest Changes
266
Revert
268
Historical Content
270
Propagate

FIG. 2

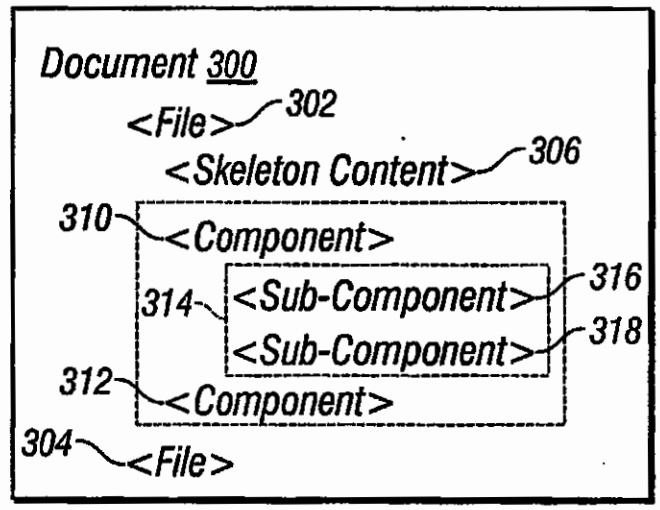

Document 300
<File>
302
<Skeleton Content>
306
310
<Component>
314
<Sub-Component>
316
<Sub-Component>
318
312
<Component>
304
<File>

FIG. 3

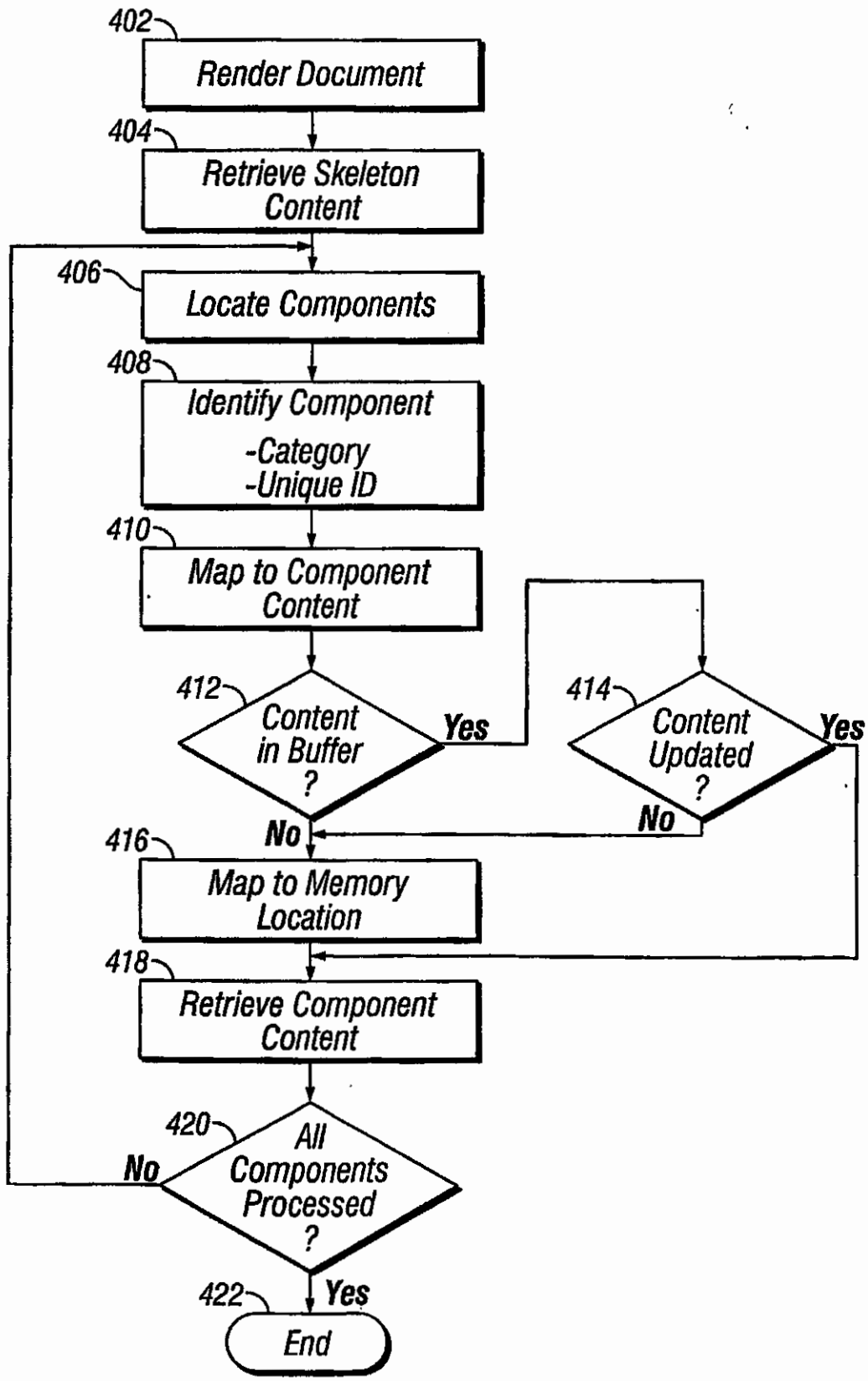

402
Render Document
404
Retrieve Skeleton Content
406
Locate Components
408
Identify Component
-Category
-Unique ID
410
Map to Component Content
412
Content in Buffer ?
Yes
No
414
Content Updated ?
Yes
No
416
Map to Memory Location
418
Retrieve Component Content
420
All Components Processed ?
No
Yes
422
End

FIG. 4

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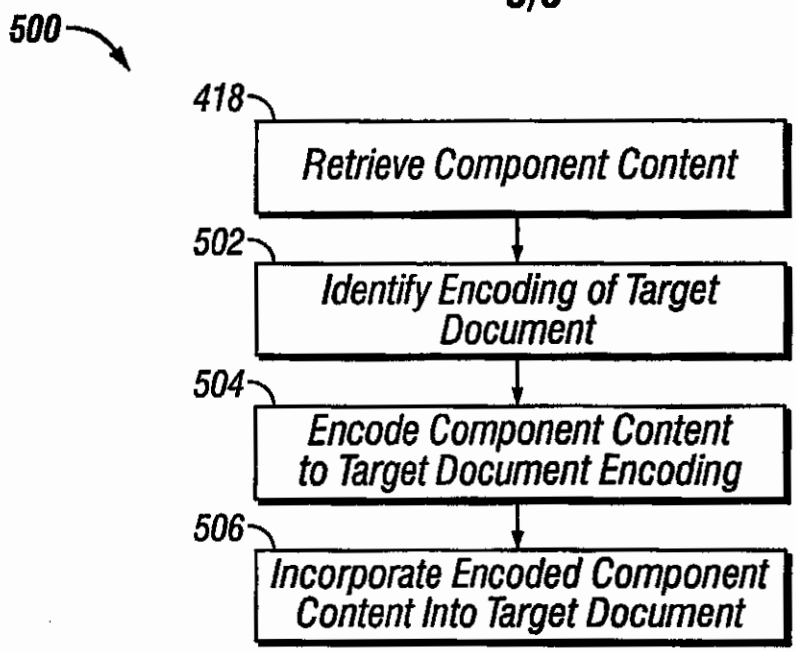

500
418
Retrieve Component Content
502
Identify Encoding of Target Document
504
Encode Component Content to Target Document Encoding
506
Incorporate Encoded Component Content Into Target Document

FIG. 5

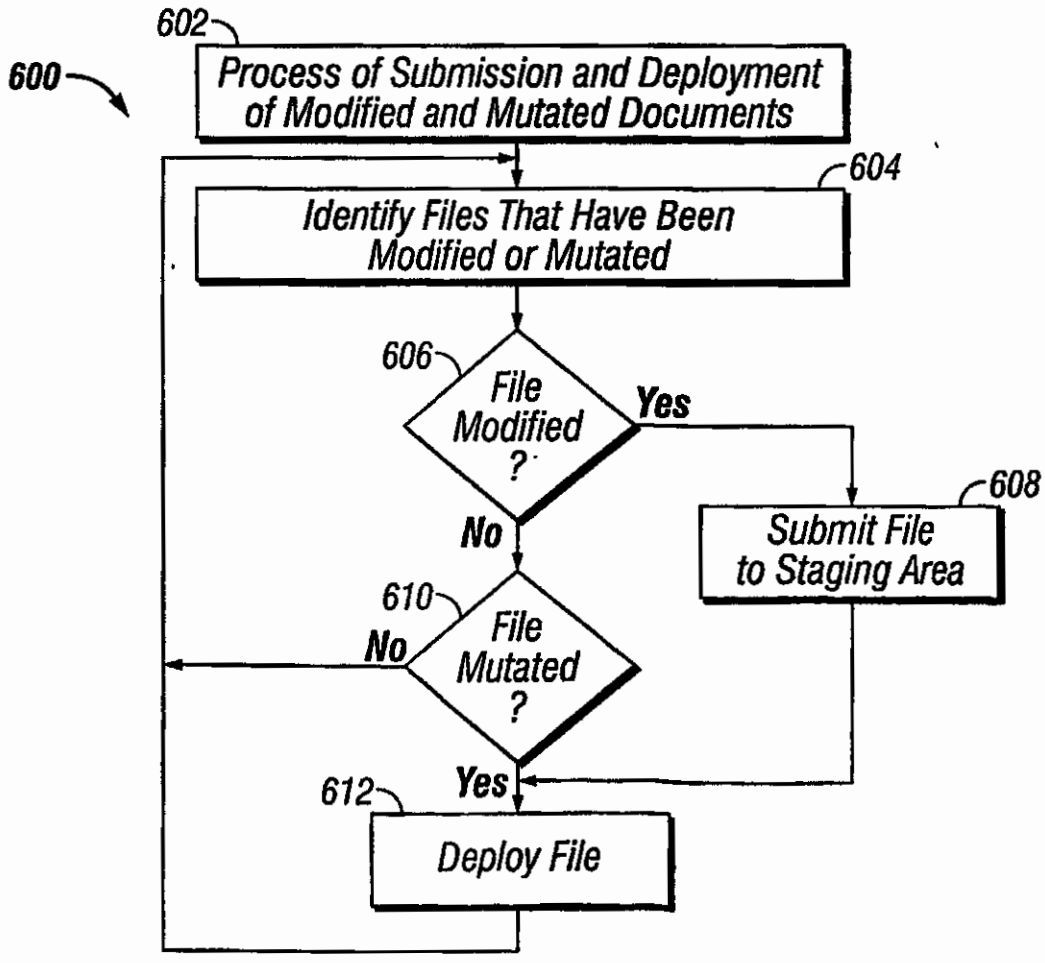

600
602
Process of Submission and Deployment of Modified and Mutated Documents
604
Identify Files That Have Been Modified or Mutated
606
File Modified ?
Yes
No
608
Submit File to Staging Area
610
File Mutated ?
No
Yes
612
Deploy File

FIG. 6

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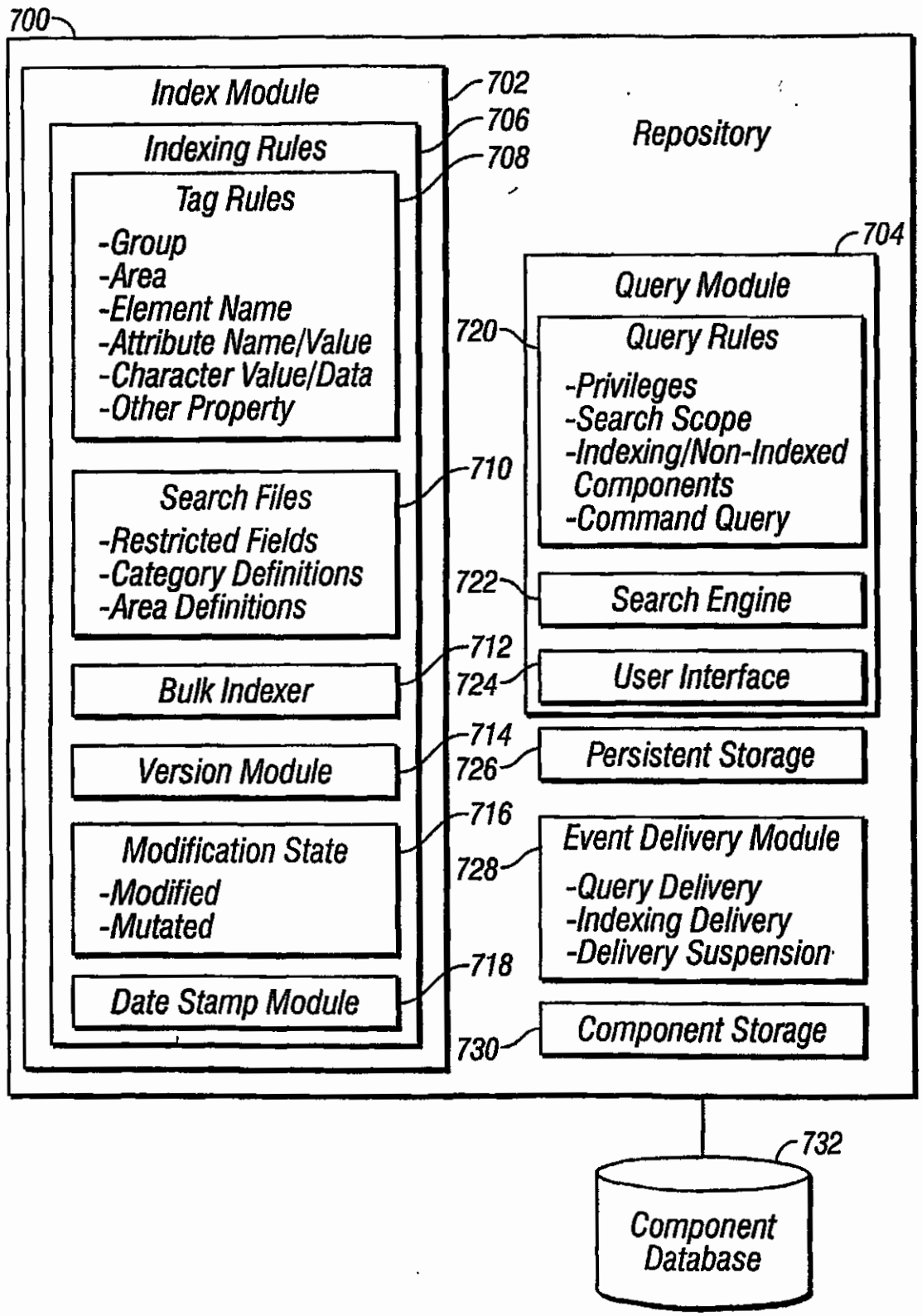

700
Index Module
Indexing Rules
Tag Rules
-Group
-Area
-Element Name
-Attribute Name/Value
-Character Value/Data
-Other Property
Search Files
-Restricted Fields
-Category Definitions
-Area Definitions
Bulk Indexer
Version Module
Modification State
-Modified
-Mutated
Date Stamp Module
702
706
708
710
712
714
716
718
Repository
704
Query Module
720
Query Rules
-Privileges
-Search Scope
-Indexing/Non-Indexed Components
-Command Query
722
Search Engine
724
User Interface
726
Persistent Storage
728
Event Delivery Module
-Query Delivery
-Indexing Delivery
-Delivery Suspension
730
Component Storage
732
Component Database

FIG. 7

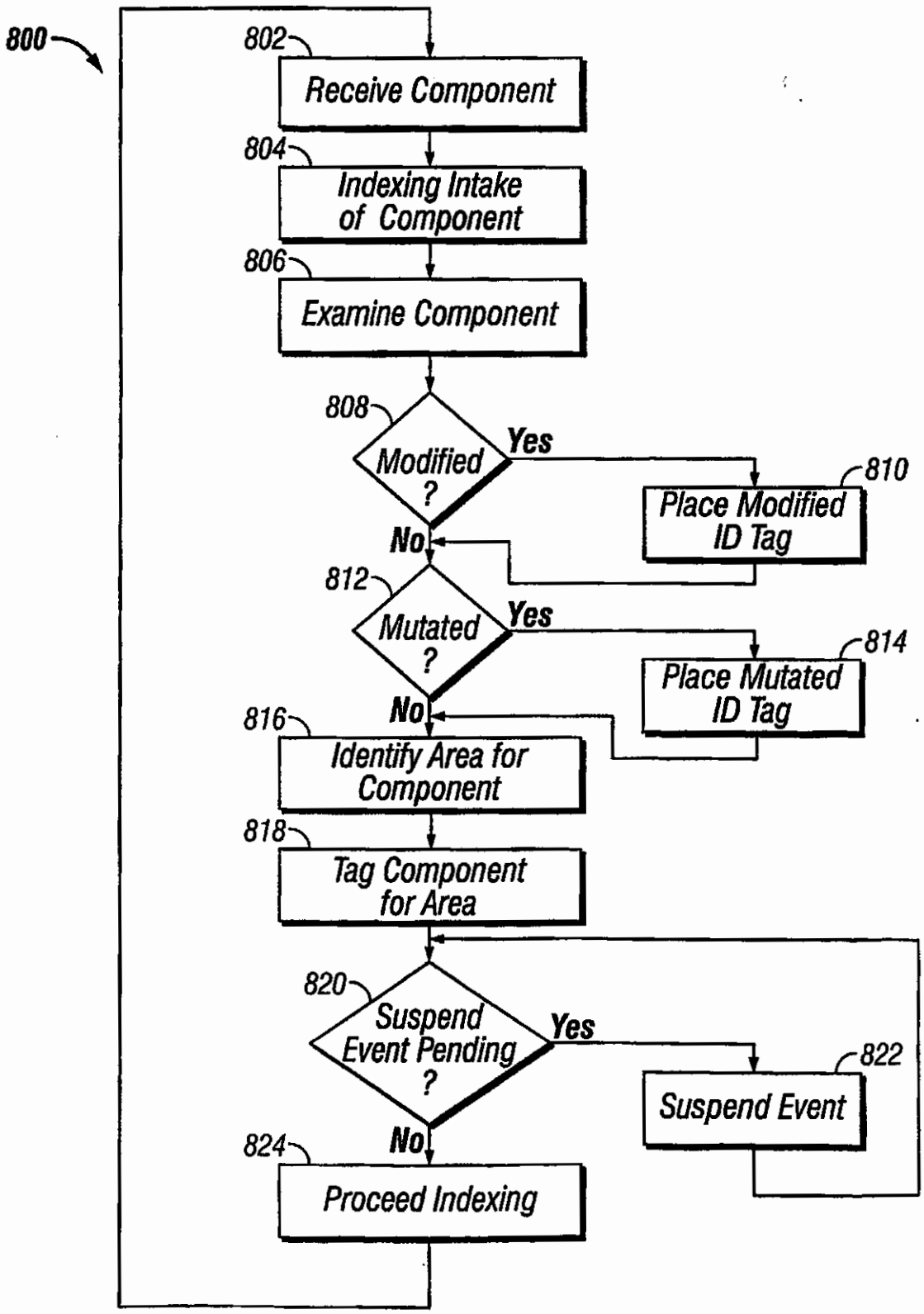

800
802
Receive Component
804
Indexing Intake of Component
806
Examine Component
808
Modified ?
Yes
No
810
Place Modified ID Tag
812
Mutated ?
Yes
No
814
Place Mutated ID Tag
816
Identify Area for Component
818
Tag Component for Area
820
Suspend Event Pending ?
Yes
No
822
Suspend Event
824
Proceed Indexing

FIG. 8

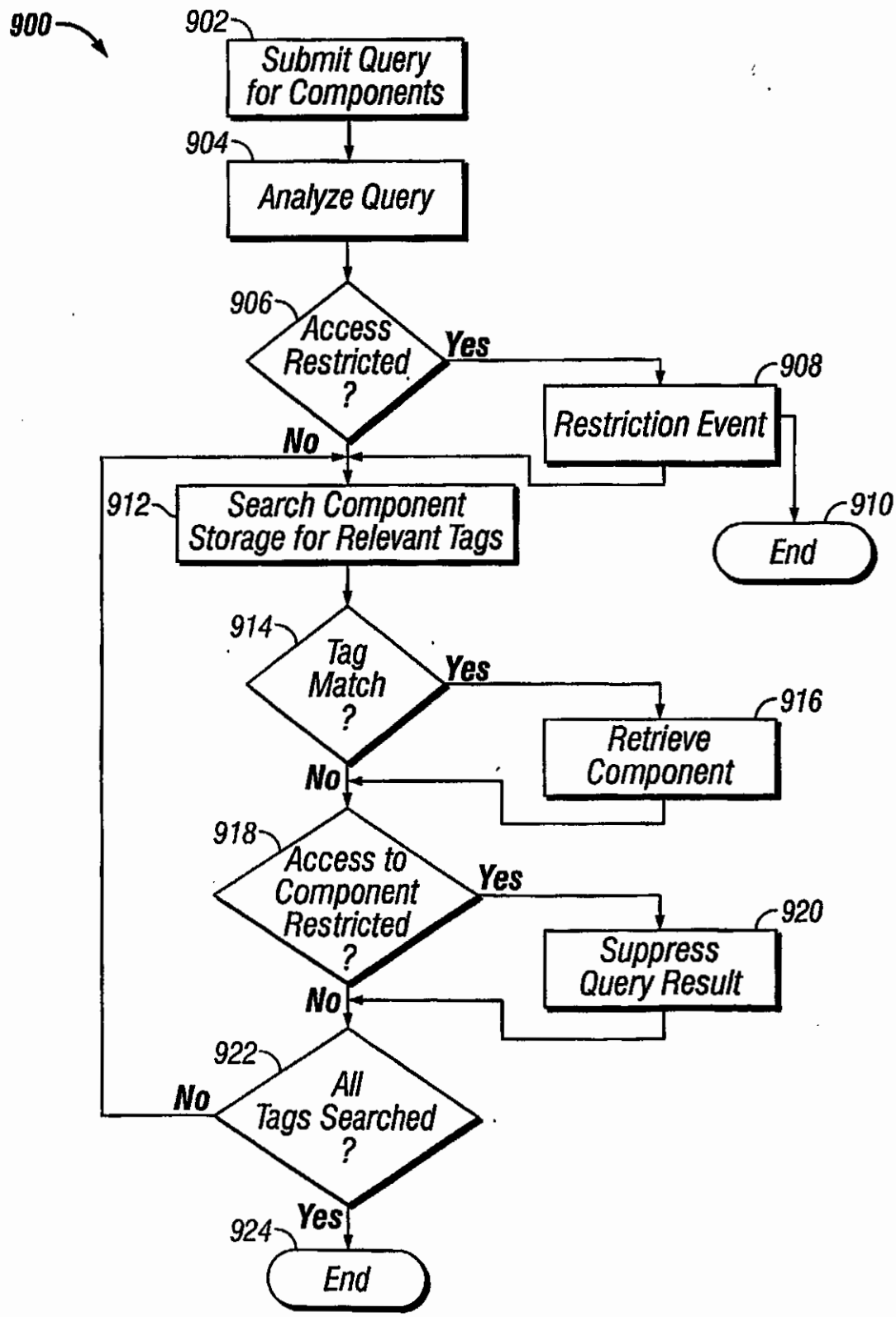

900
902
Submit Query for Components
904
Analyze Query
906
Access Restricted ?
Yes
908
Restriction Event
No
912
Search Component Storage for Relevant Tags
910
End
914
Tag Match ?
Yes
916
Retrieve Component
No
918
Access to Component Restricted ?
Yes
920
Suppress Query Result
No
922
All Tags Searched ?
No
Yes
924
End

FIG. 9