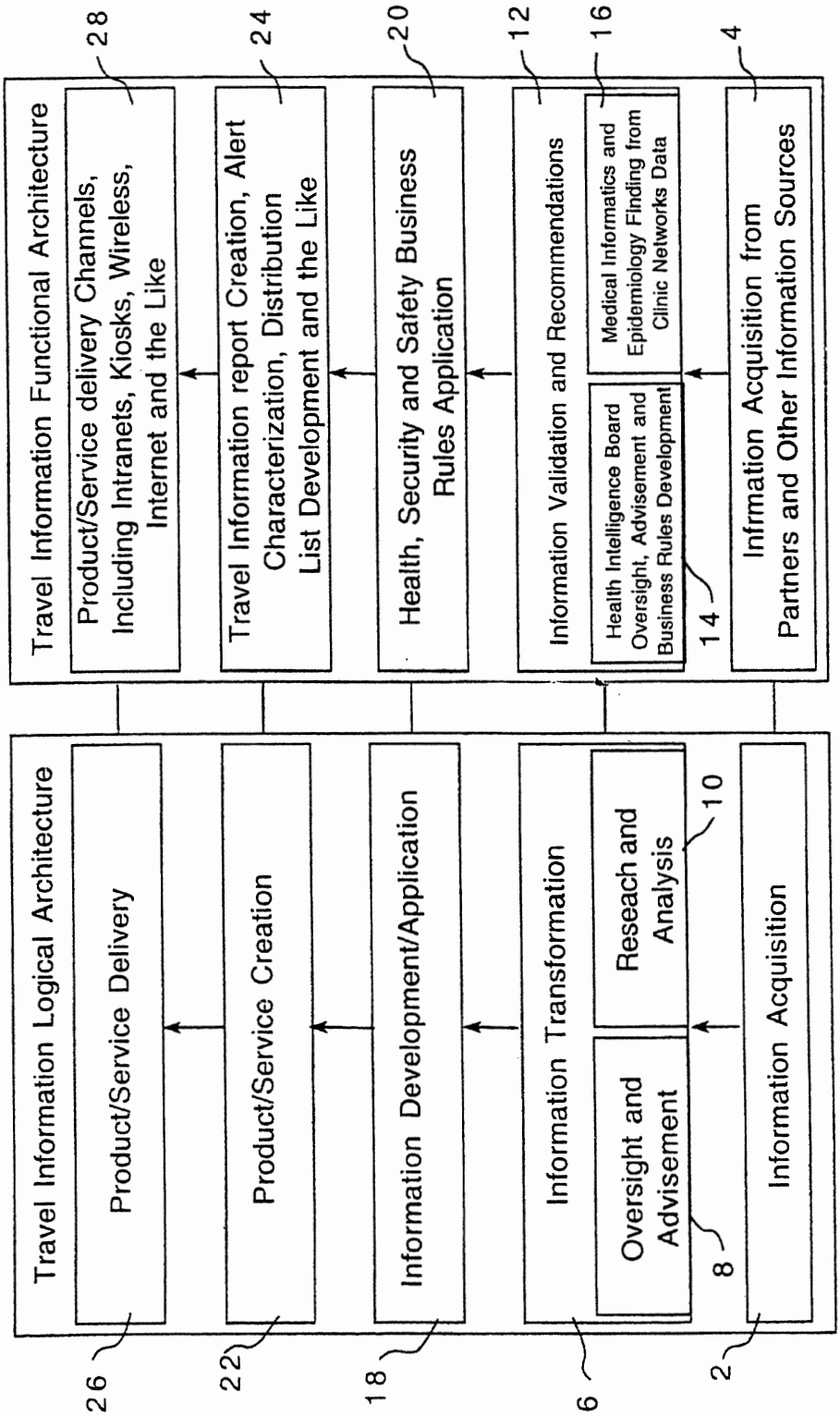

Travel Information Logical Architecture
Product/Service Delivery
Product/Service Creation
Information Development/Application
Information Transformation
Oversight and Advisement
Reseach and Analysis
Information Acquisition
Travel Information Functional Architecture
Product/Service delivery Channels, Including Intranets, Kiosks, Wireless, Internet and the Like
Travel Information report Creation, Alert Characterization, Distribution List Development and the Like
Health, Security and Safety Business Rules Application
Information Validation and Recommendations
Health Intelligence Board Oversight, Advisement and Business Rules Development
Medical Informatics and Epidemiology Finding from Clinic Networks Data
Infrmation Acquisition from Partners and Other Information Sources
26
22
18
6
8
10
2
28
24
20
12
14
16
4

FIG. 1

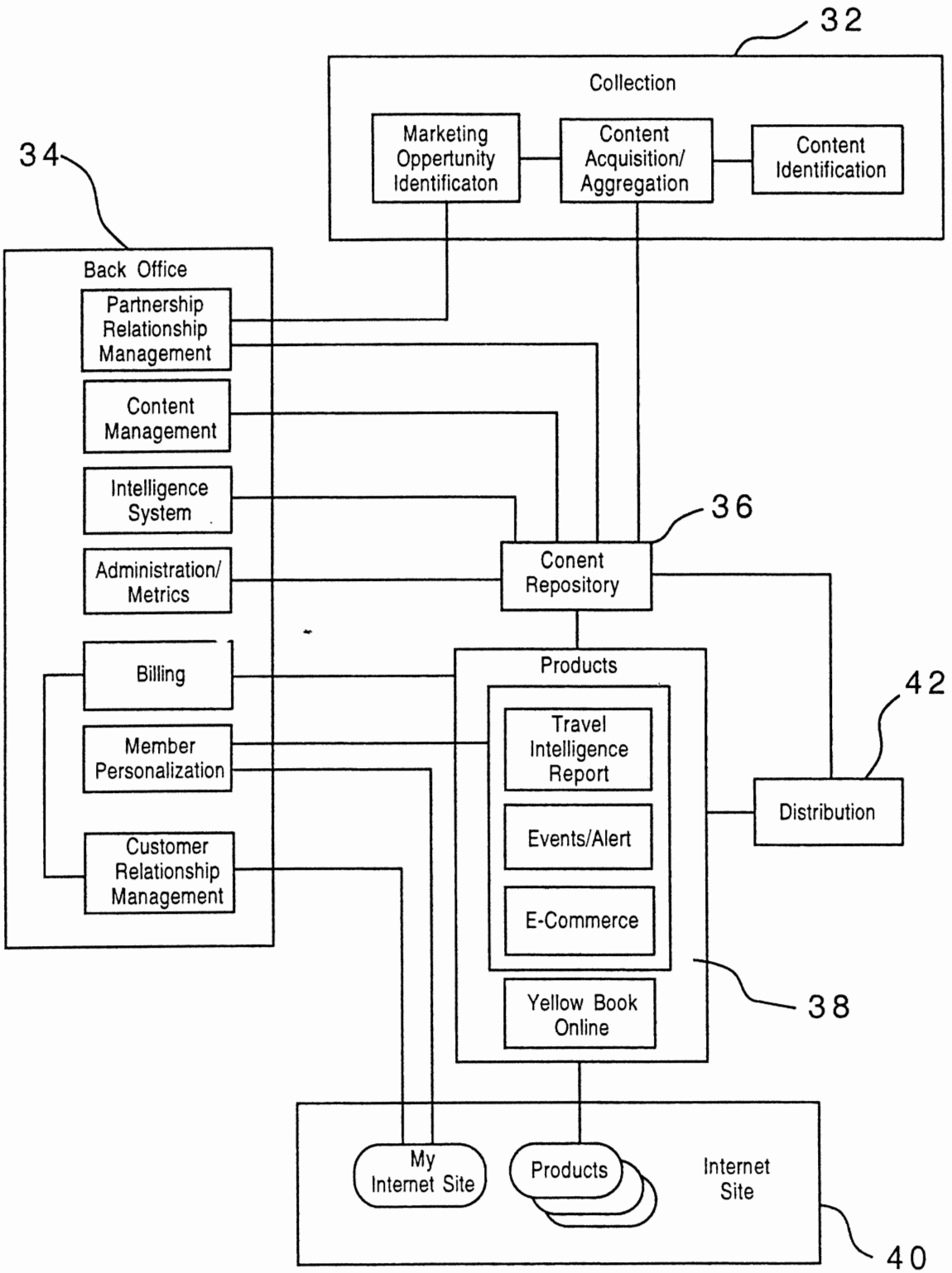

32
Collection
Marketing Oppertunity Identificaton
Content Acquisition/ Aggregation
Content Identification
34
Back Office
Partnership Relationship Management
Content Management
Intelligence System
Administration/ Metrics
Billing
Member Personalization
Customer Relationship Management
36
Conent Repository
Products
Travel Intelligence Report
Events/Alert
E-Commerce
Yellow Book Online
38
42
Distribution
My Internet Site
Products
Internet Site
40

FIG. 2

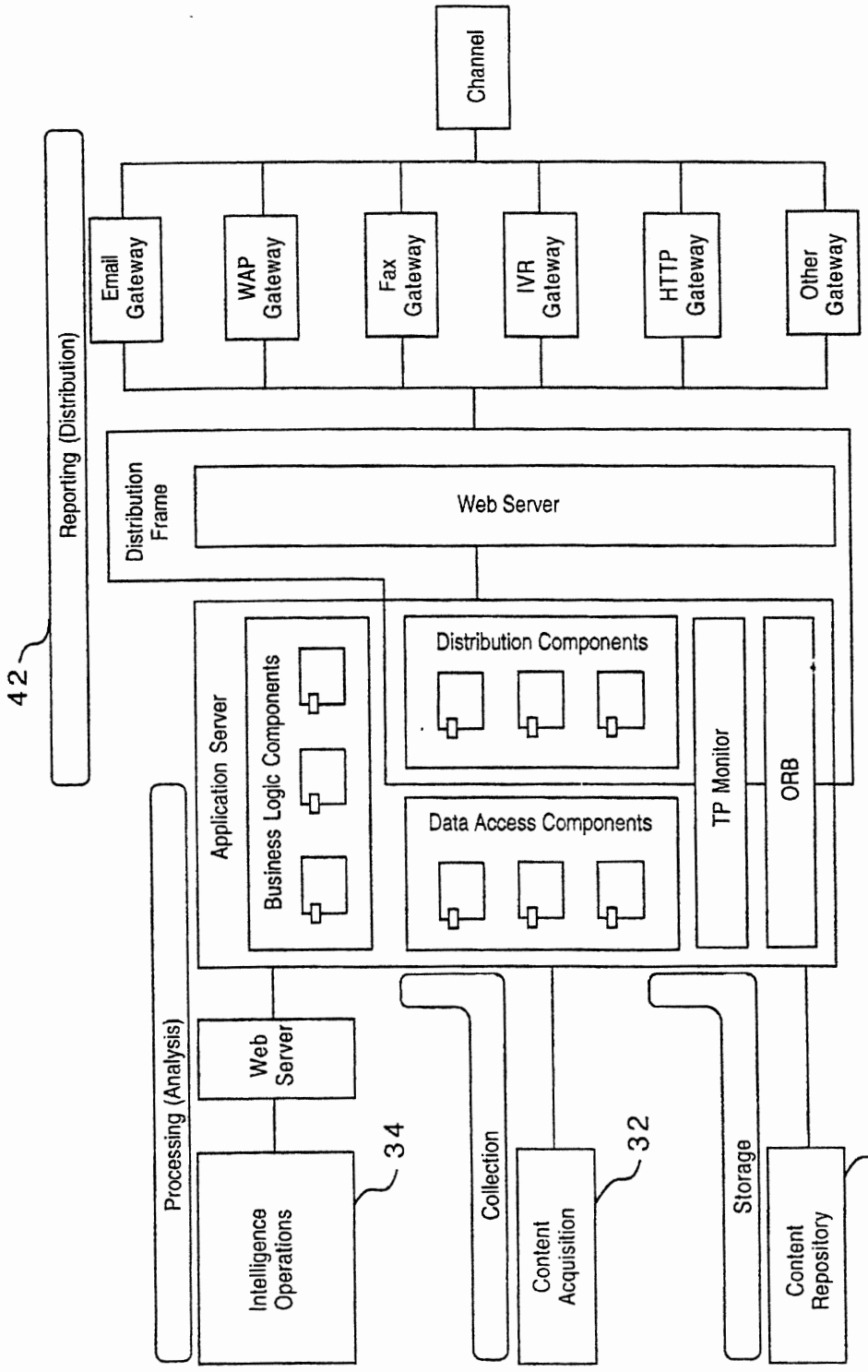

Channel
Email Gateway
WAP Gateway
Fax Gateway
IVR Gateway
HTTP Gateway
Other Gateway
Reporting (Distribution)
42
Distribution Frame
Web Server
Application Server
Business Logic Components
Distribution Components
Data Access Components
TP Monitor
ORB
Processing (Analysis)
Web Server
Intelligence Operations
34
Collection
Content Acquisition
32
Storage
Content Repository
36

FIG. 3

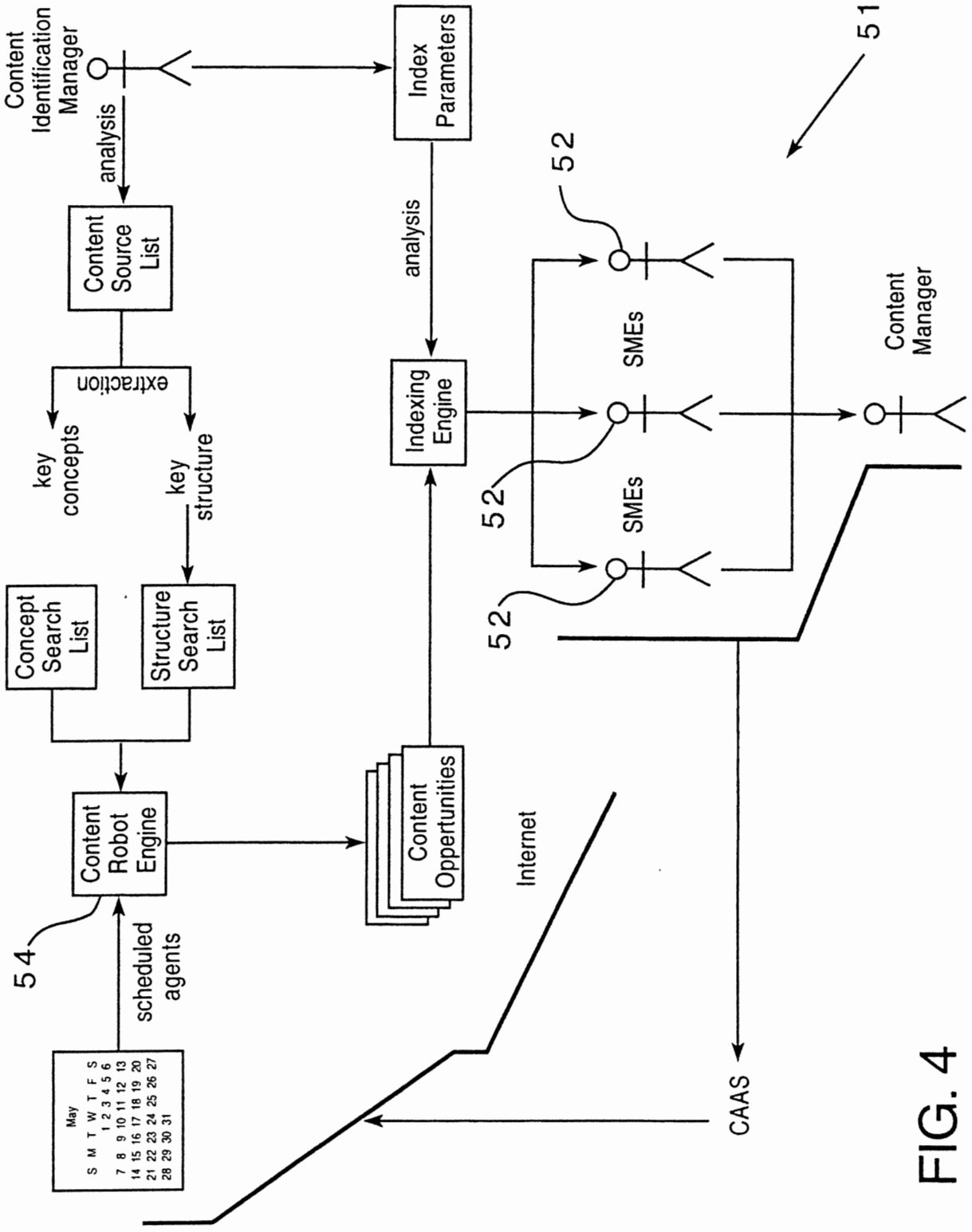

Content Identification Manager
analysis
Content Source List
extraction
key concepts
key structure
Concept Search List
Structure Search List
Content Robot Engine
54
scheduled agents
May
S M T W T F S
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
Content Opportunities
Internet
CAAS
Index Parameters
analysis
Indexing Engine
52
SMEs
52
SMEs
52
Content Manager
51

FIG. 4

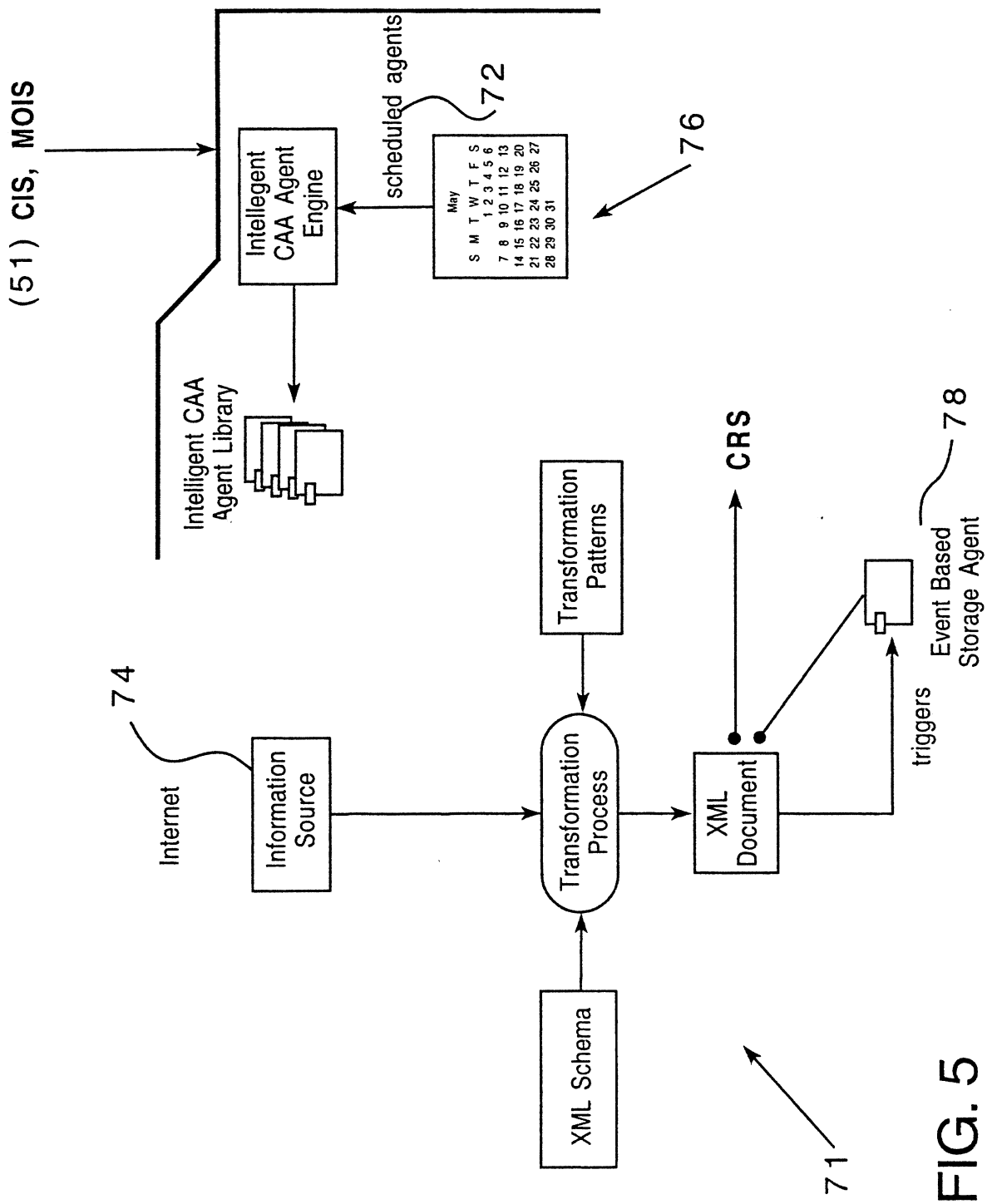

(51) CIS, MOIS
Intelligent CAA Agent Library
Intellegent CAA Agent Engine
scheduled agents
72
76
May
S M T W T F S
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
74
Internet
Information Source
Transformation Patterns
Transformation Process
XML Schema
XML Document
CRS
triggers
Event Based Storage Agent
78
71

FIG. 5

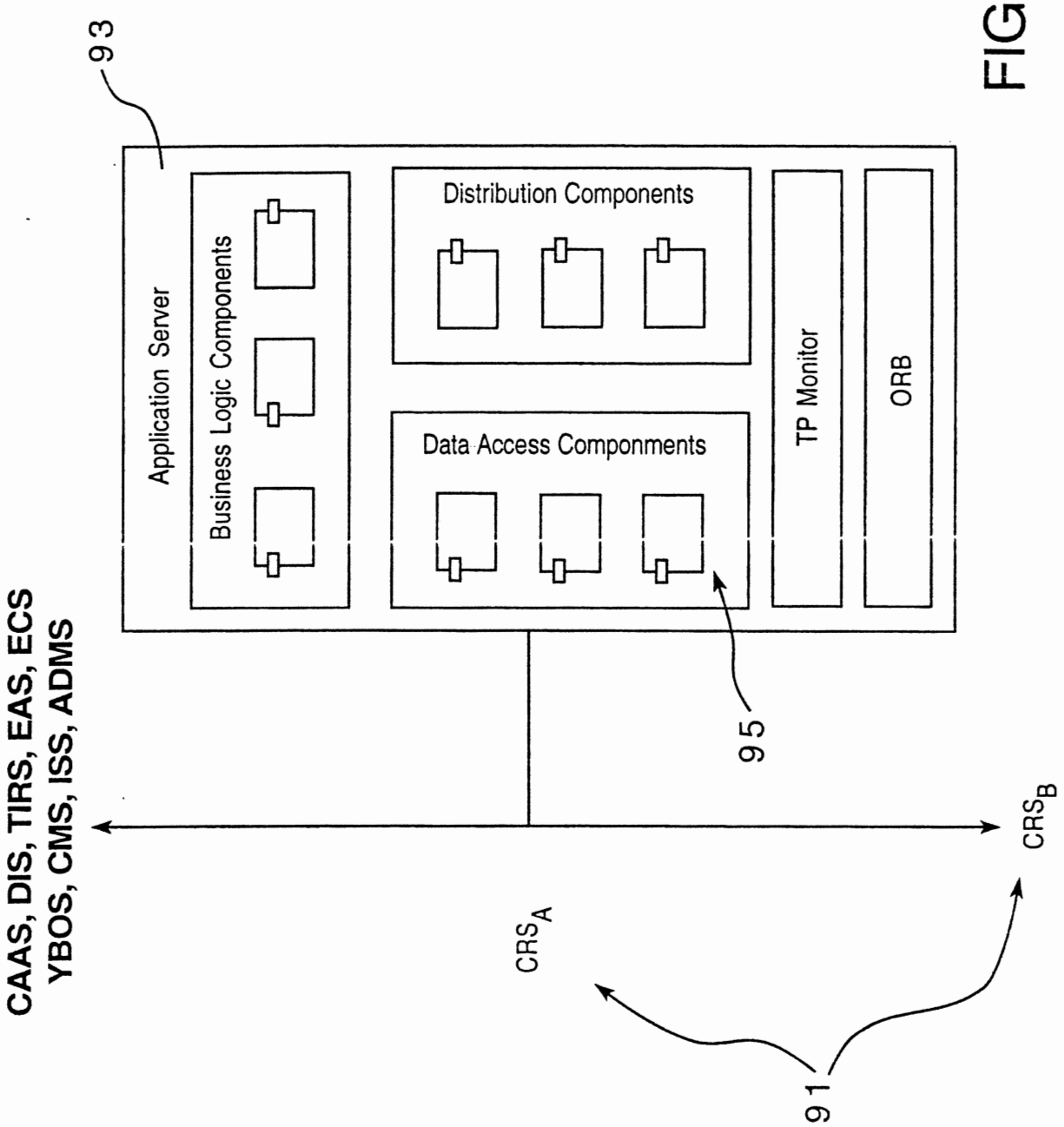

CAAS, DIS, TIRS, EAS, ECS
YBOS, CMS, ISS, ADMS
93
Application Server
Business Logic Components
Distribution Components
Data Access Componments
TP Monitor
ORB
95
CRS_A
CRS_B
91

FIG. 6

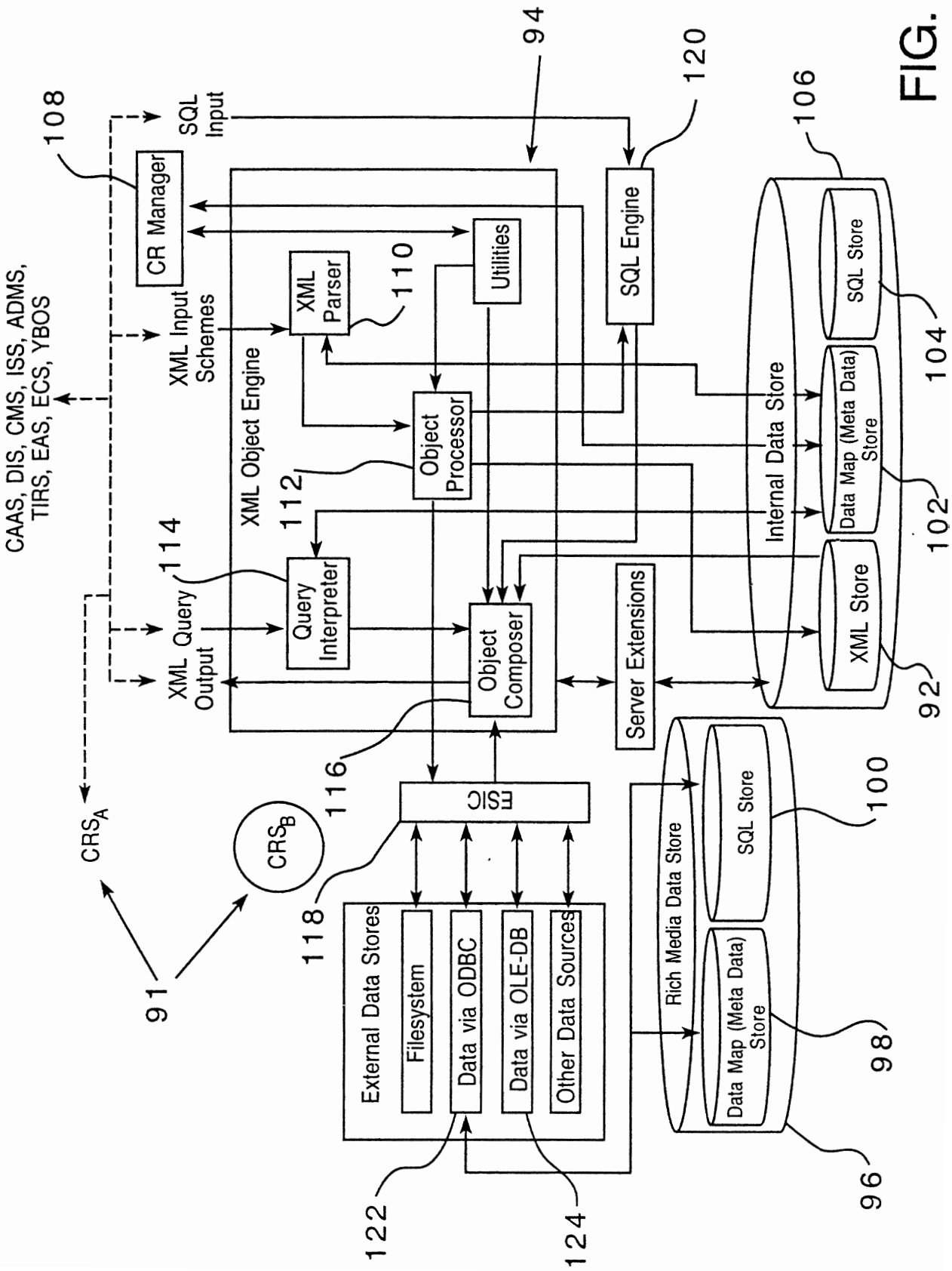

CAAS, DIS, CMS, ISS, ADMS, TIRS, EAS, ECS, YBOS
CRS_A
CRS_B
91
108
CR Manager
SQL Input
XML Input Schemes
XML Object Engine
XML Parser
110
Utilities
94
120
SQL Engine
106
Internal Data Store
SQL Store
104
Data Map (Meta Data) Store
102
XML Store
92
Object Processor
112
Query Interpreter
114
XML Query Output
Object Composer
116
Server Extensions
FSIC
118
External Data Stores
Filesystem
Data via ODBC
Data via OLE-DB
Other Data Sources
122
124
Rich Media Data Store
SQL Store
100
Data Map (Meta Data) Store
98
96

FIG. 7

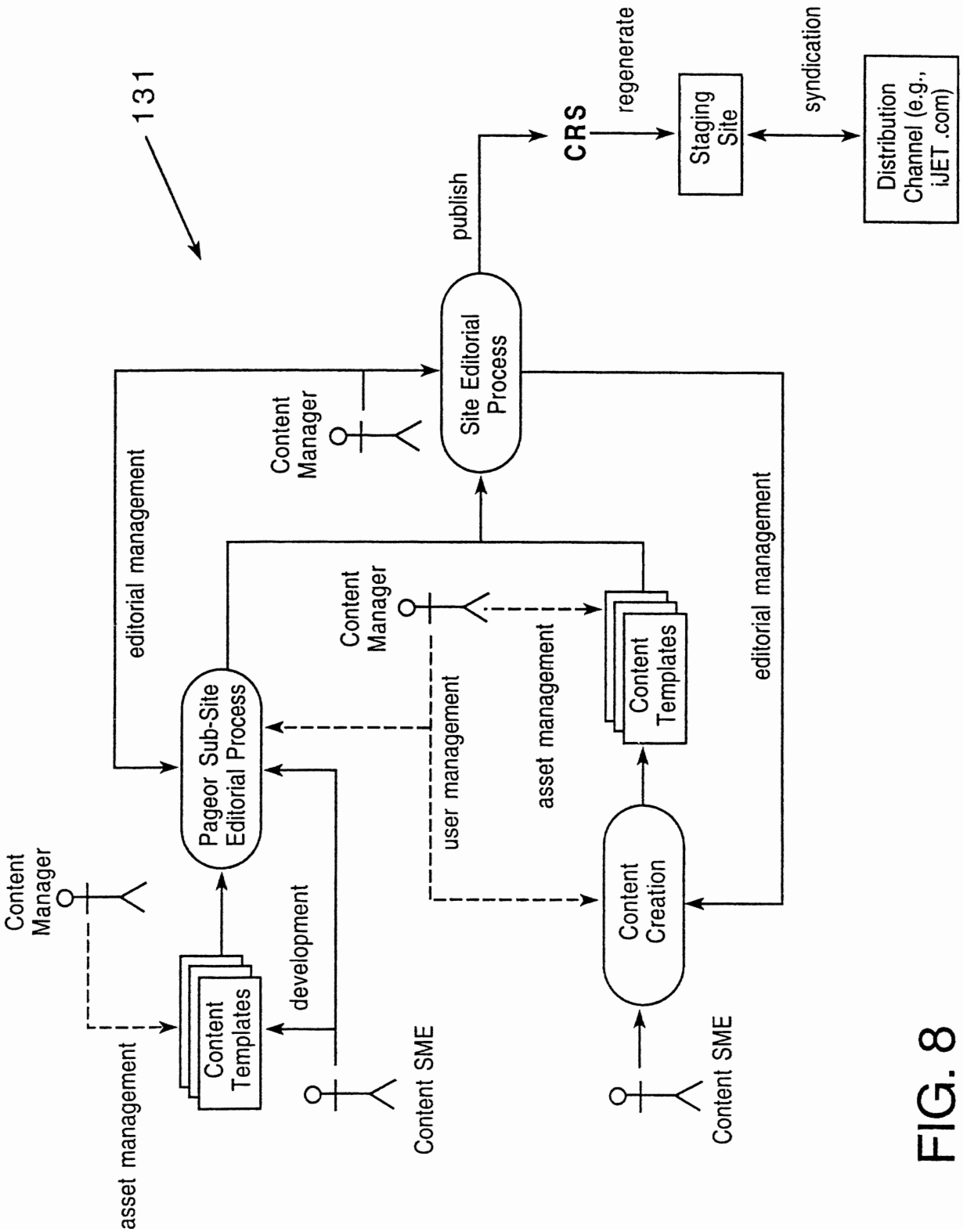

131
Content Manager
asset management
Content Templates
development
Content SME
Pageor Sub-Site Editorial Process
editorial management
Content Manager
Site Editorial Process
publish
CRS
regenerate
Staging Site
syndication
Distribution Channel (e.g., iJET .com)
Content Manager
user management
asset management
Content Templates
editorial management
Content Creation
Content SME

FIG. 8

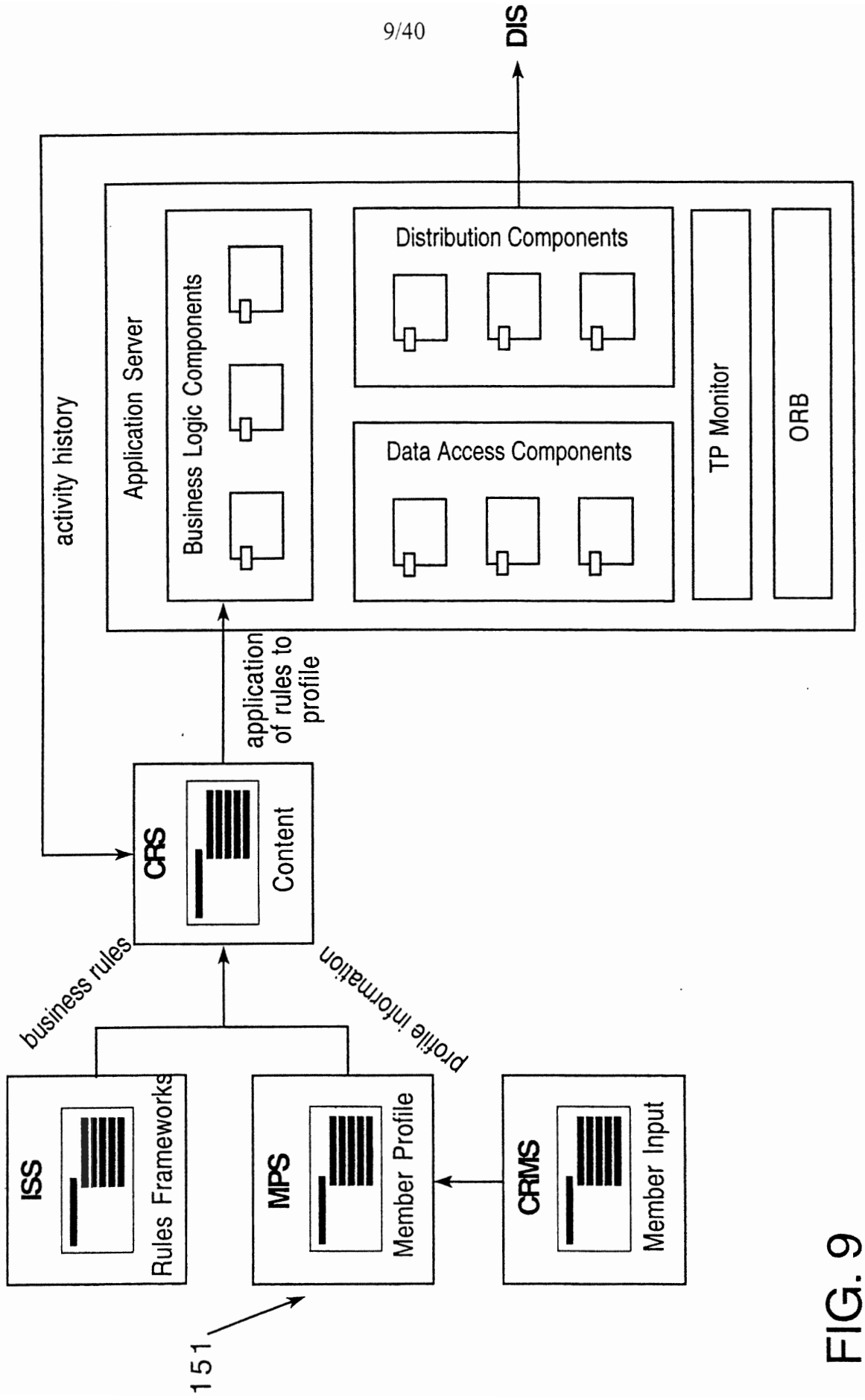

DIS
Application Server
Business Logic Components
Distribution Components
Data Access Components
TP Monitor
ORB
activity history
application of rules to profile
CRS
Content
business rules
profile information
ISS
Rules Frameworks
MPS
Member Profile
CRMS
Member Input
151

FIG. 9

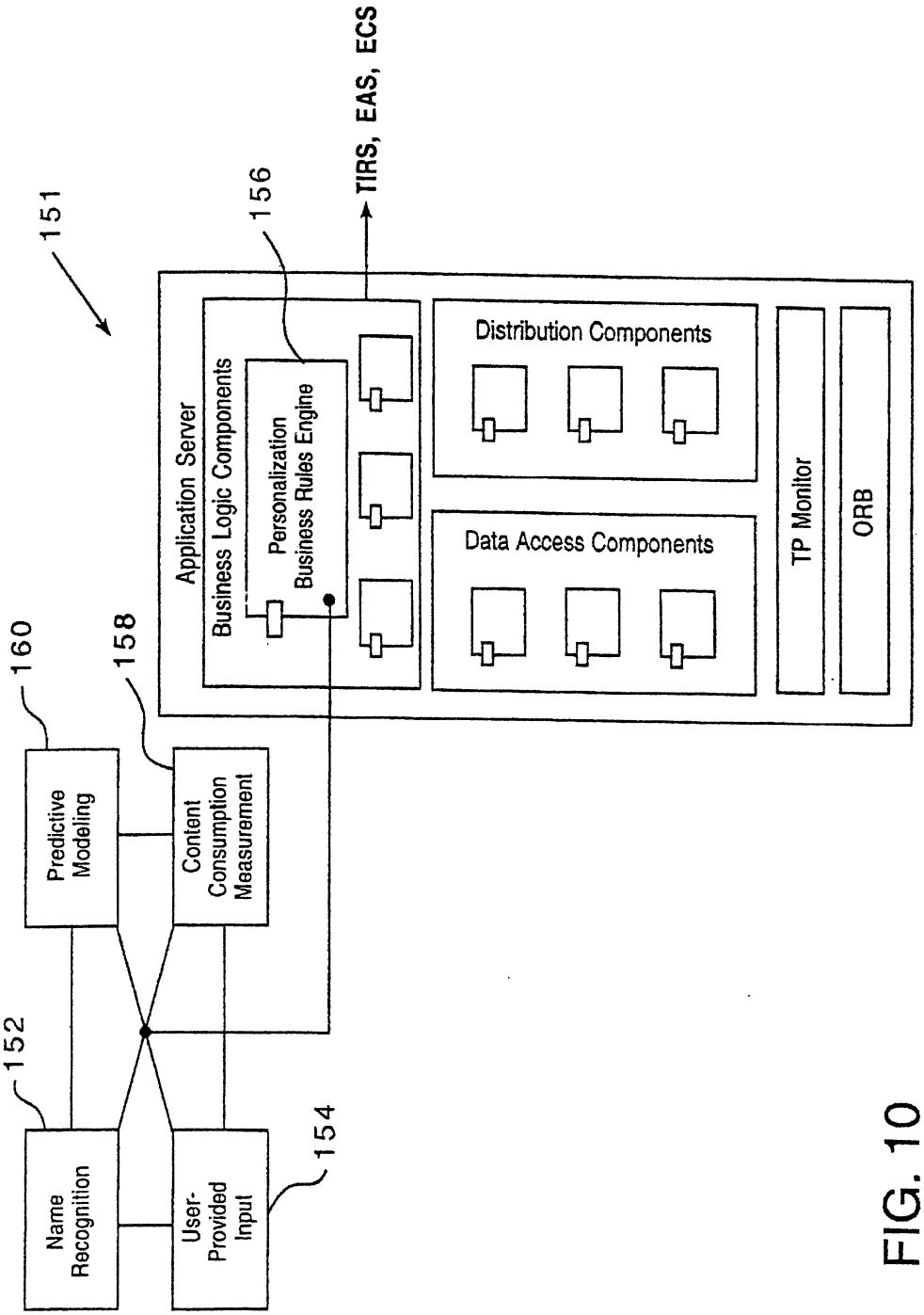

151
156
TIRS, EAS, ECS
Application Server
Business Logic Components
Personalization
Business Rules Engine
Distribution Components
Data Access Components
TP Monitor
ORB
160
158
Predictive
Modeling
Content
Consumption
Measurement
152
154
Name
Recognition
User-
Provided
Input

FIG. 10

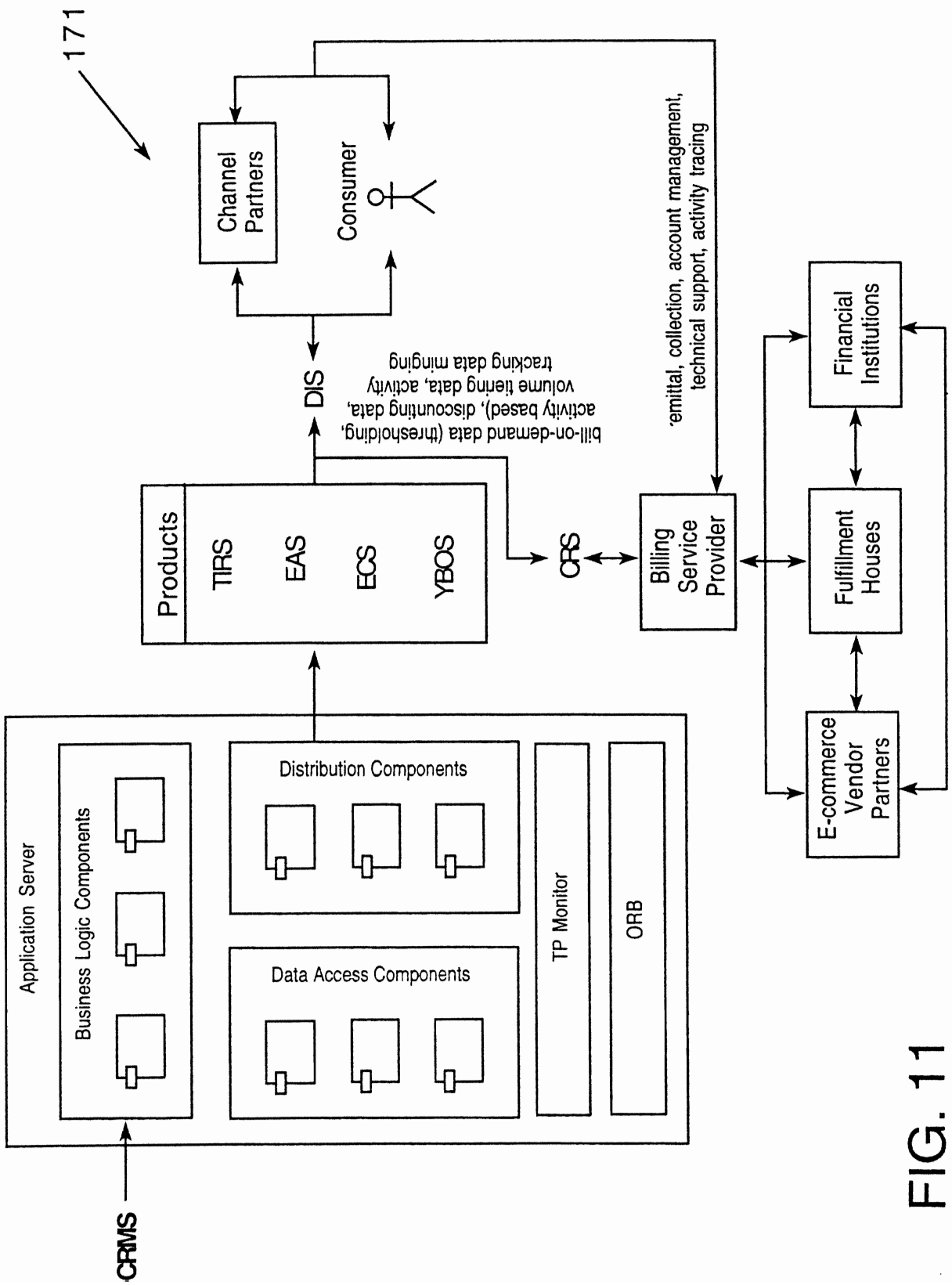

171
Channel Partners
Consumer
DIS
bill-on-demand data (thresholding, activity based), discounting data, volume tiering data, activity tracking data minging
emittal, collection, account management, technical support, activity tracing
Financial Institutions
Products
TIRS
EAS
ECS
YBOS
CRS
Billing Service Provider
Fulfillment Houses
E-commerce Vendor Partners
Application Server
Business Logic Components
Distribution Components
Data Access Components
TP Monitor
ORB
CRMS

FIG. 11

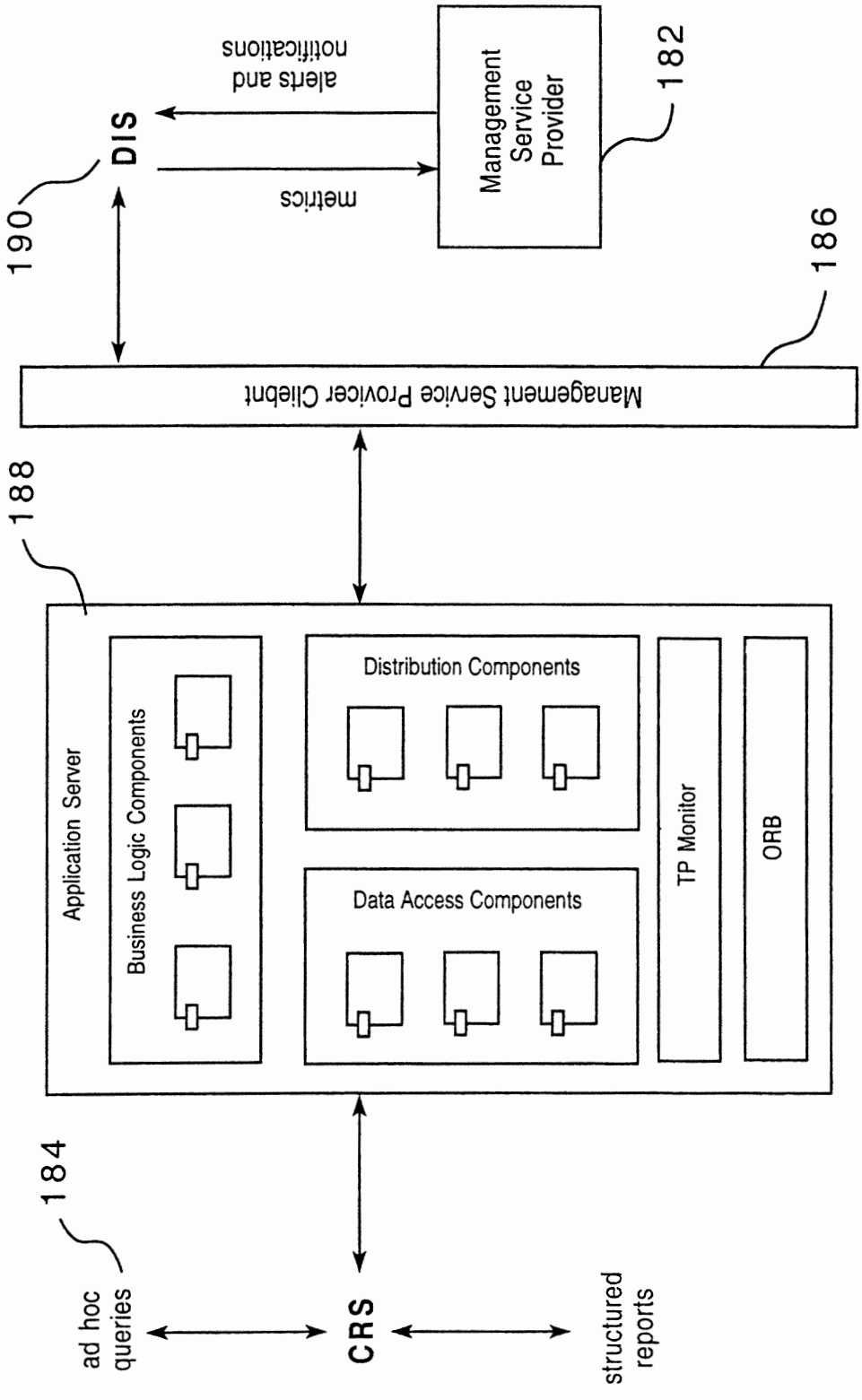

Management Service Provider
182
alerts and notifications
metrics
DIS
190
186
181
Management Service Provicer Clieht
188
Application Server
Business Logic Components
Distribution Components
Data Access Components
TP Monitor
ORB
184
ad hoc queries
CRS
structured reports

FIG. 12

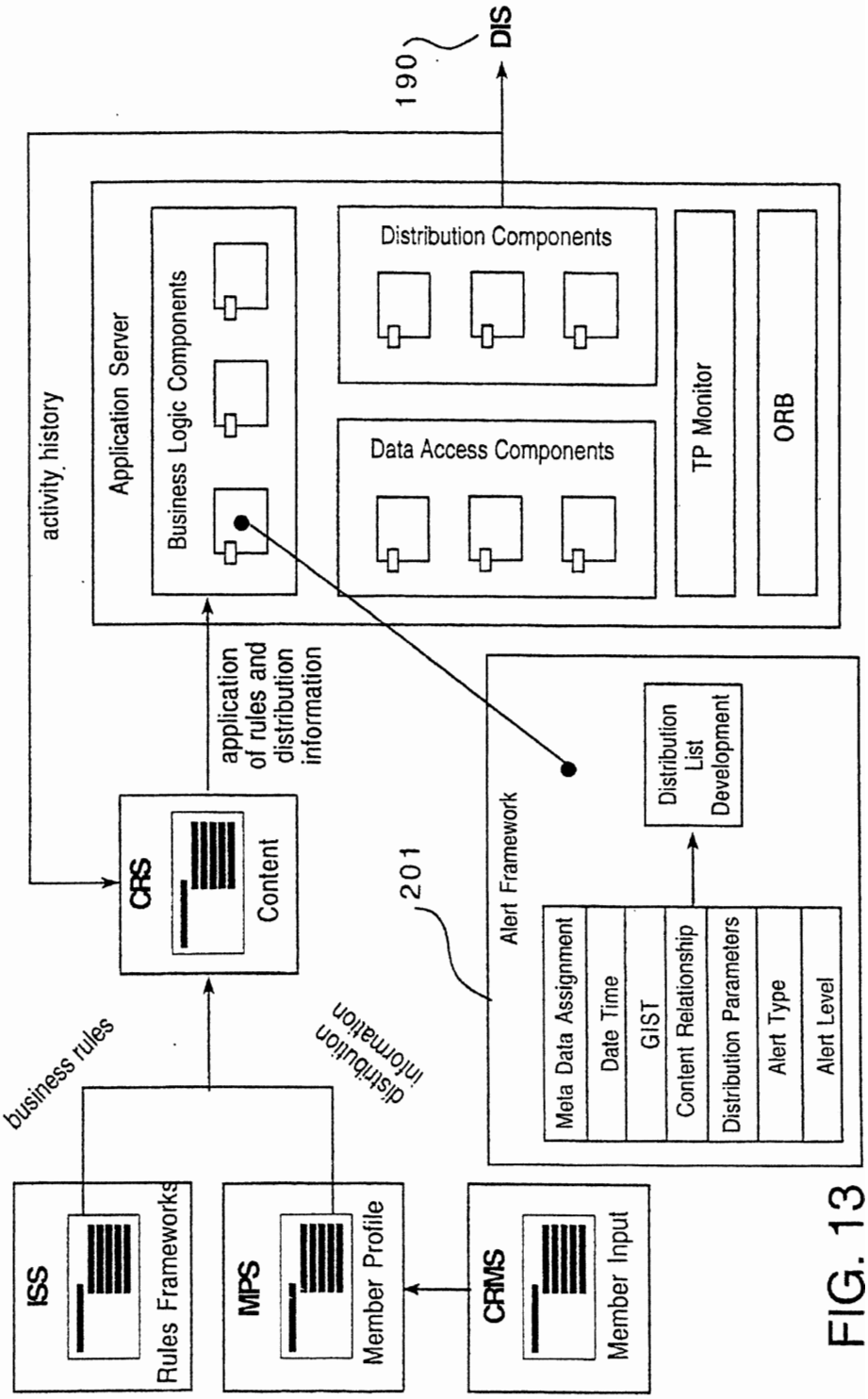

190
DIS
activity history
Application Server
Business Logic Components
Distribution Components
Data Access Components
TP Monitor
ORB
application of rules and distribution information
CRS
Content
201
Alert Framework
Meta Data Assignment
Date Time
GIST
Content Relationship
Distribution Parameters
Alert Type
Alert Level
Distribution List Development
business rules
distribution information
ISS
Rules Frameworks
MPS
Member Profile
CRMS
Member Input

FIG. 13

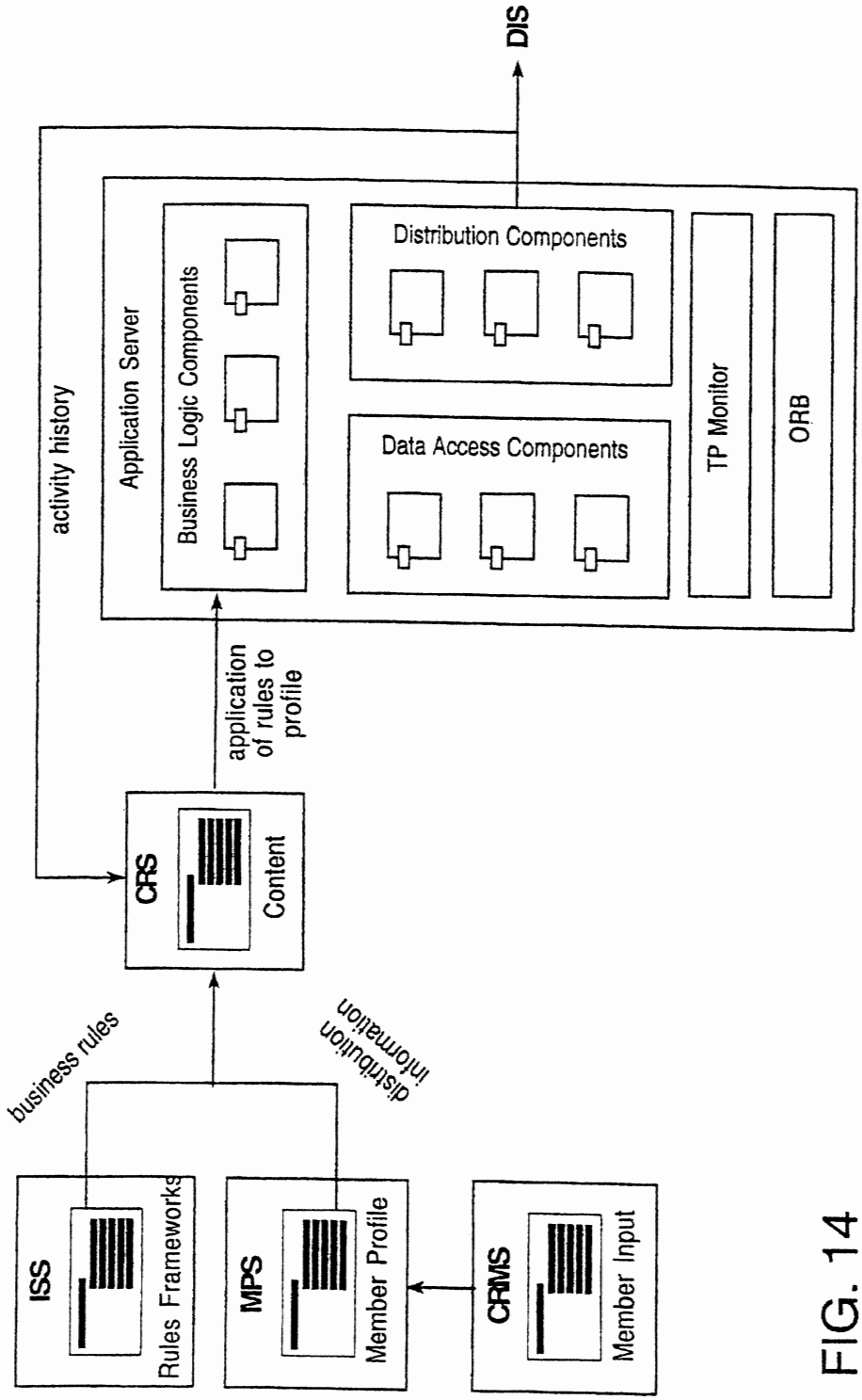

DIS
activity history
Application Server
Business Logic Components
Distribution Components
Data Access Components
TP Monitor
ORB
application of rules to profile
CRS
Content
business rules
distribution information
ISS
Rules Frameworks
MPS
Member Profile
CRMS
Member Input

FIG. 14

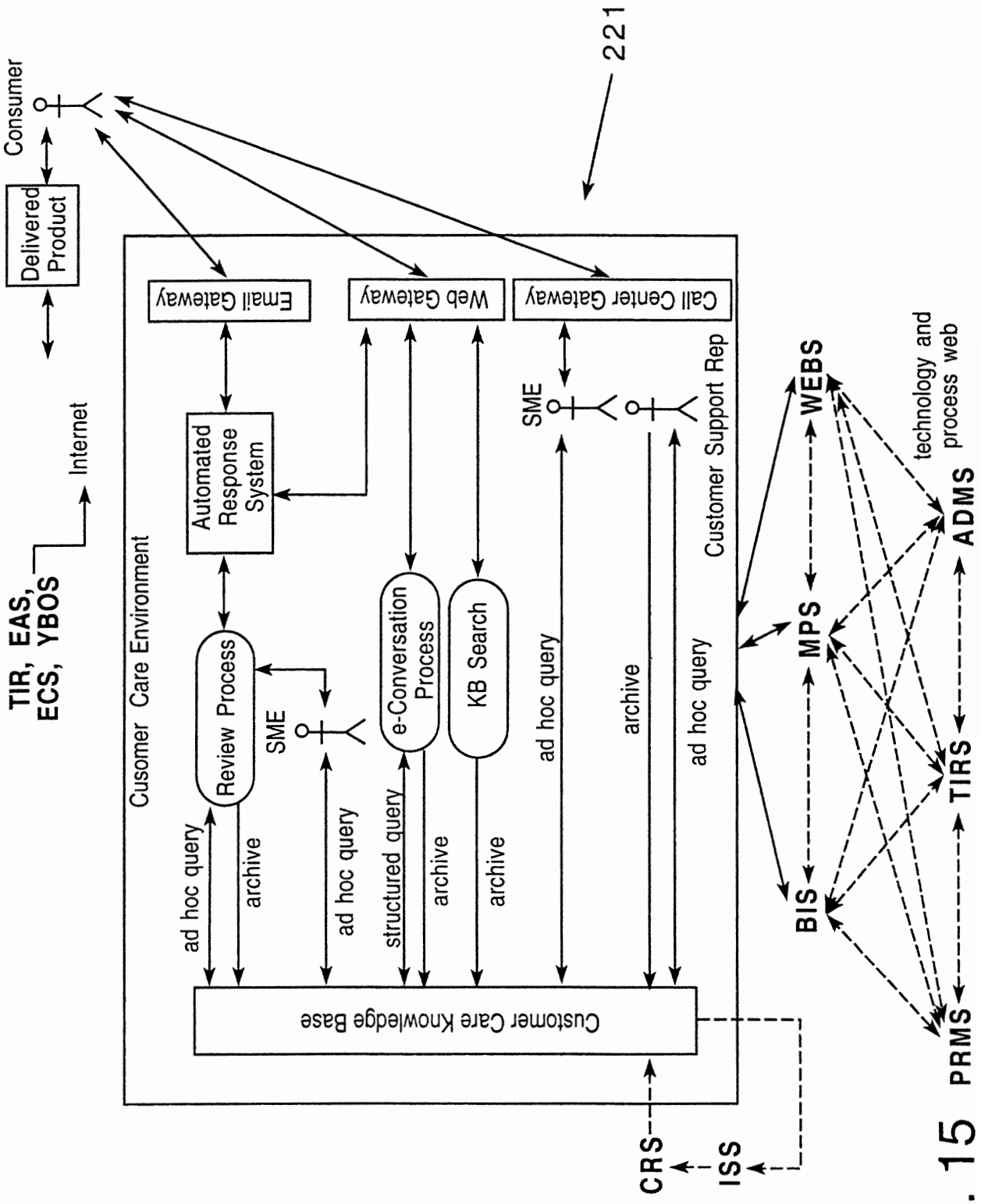

221
Consumer
Delivered Product
Internet
TIR, EAS, ECS, YBOS
Cusomer Care Environment
Email Gateway
Web Gateway
Call Center Gateway
Automated Response System
Review Process
SME
e-Conversation Process
KB Search
SME
Customer Support Rep
ad hoc query
archive
ad hoc query
structured query
archive
archive
ad hoc query
archive
ad hoc query
Customer Care Knowledge Base
CRS
ISS
WEBS
MPS
BIS
ADMS
TIRS
PRMS
technology and process web

FIG. 15

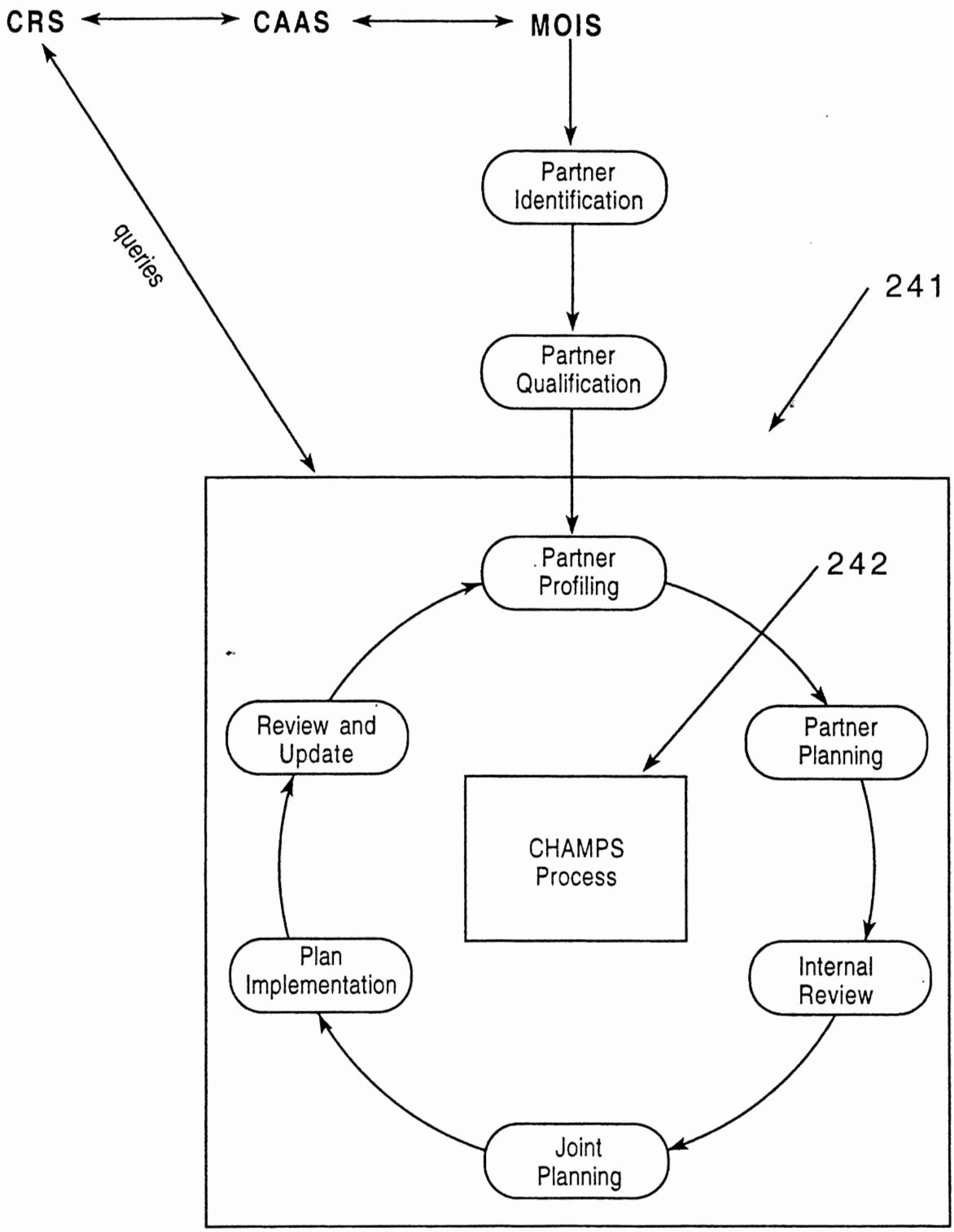

CRS
CAAS
MOIS
queries
Partner Identification
Partner Qualification
241
Partner Profiling
242
Review and Update
Partner Planning
CHAMPS Process
Plan Implementation
Internal Review
Joint Planning

FIG. 16

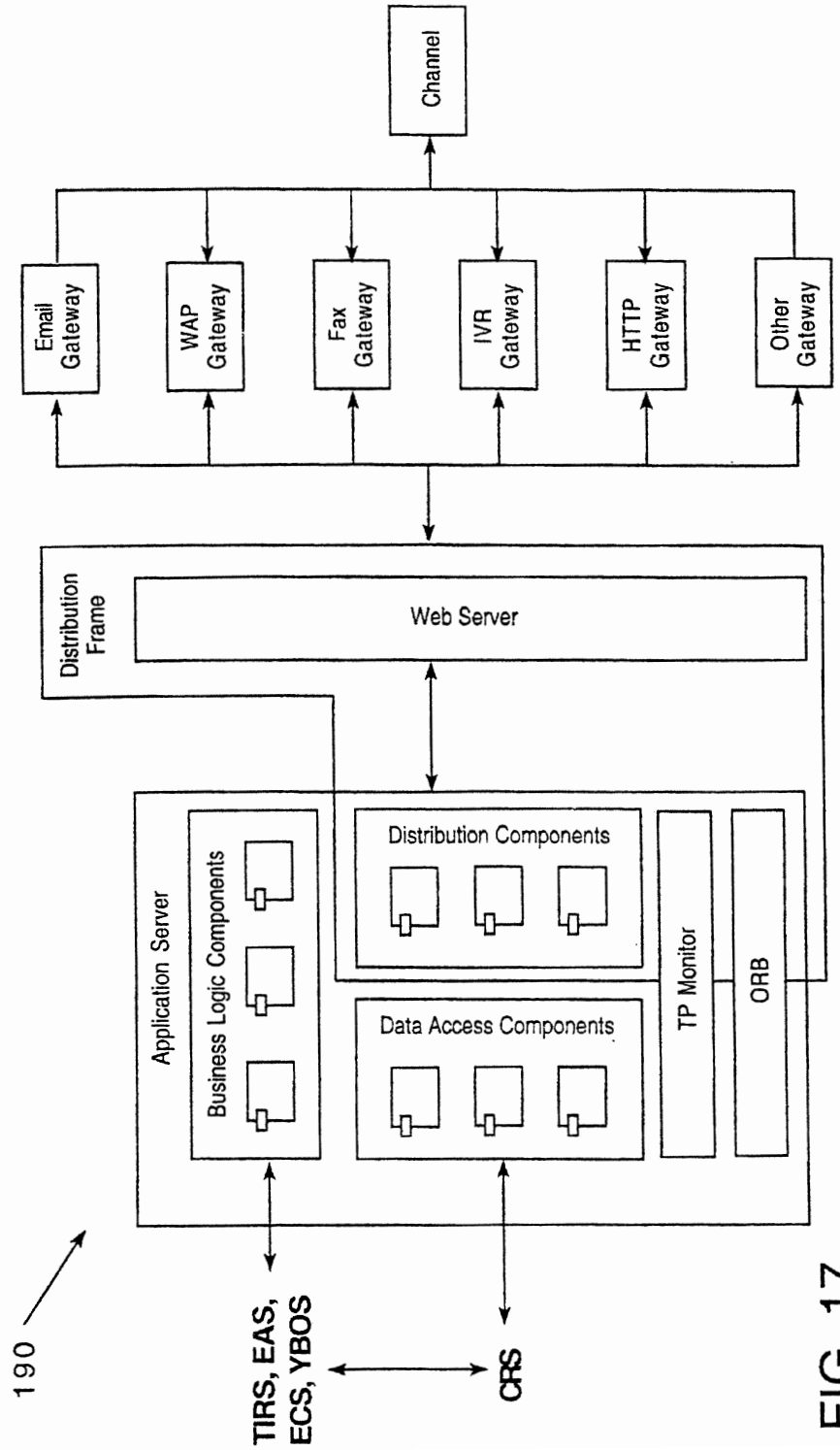

Channel
Email Gateway
WAP Gateway
Fax Gateway
IVR Gateway
HTTP Gateway
Other Gateway
Distribution Frame
Web Server
Application Server
Business Logic Components
Distribution Components
Data Access Components
TP Monitor
ORB
190
TIRS, EAS, ECS, YBOS
CRS

FIG. 17

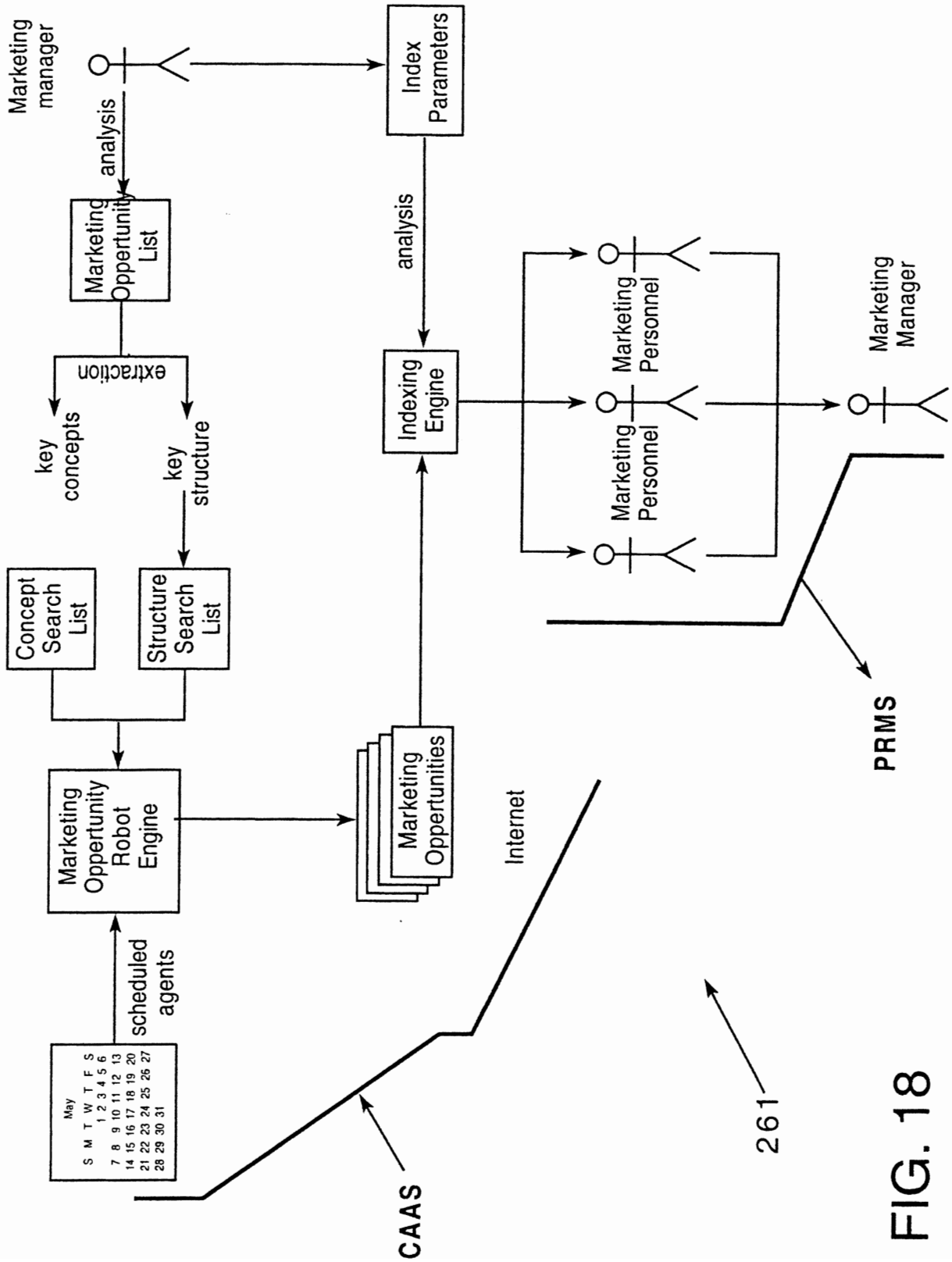

Marketing manager
analysis
Index Parameters
Marketing Opportunity List
extraction
key concepts
key structure
analysis
Indexing Engine
Marketing Personnel
Marketing Personnel
Marketing Personnel
Marketing Manager
Concept Search List
Structure Search List
Marketing Opportunity Robot Engine
Marketing Opportunities
scheduled agents
May
S M T W T F S
1 2 3 4 5 6
7 8 9 10 11 12 13
14 15 16 17 18 19 20
21 22 23 24 25 26 27
28 29 30 31
Internet
PRMS
CAAS
261

FIG. 18

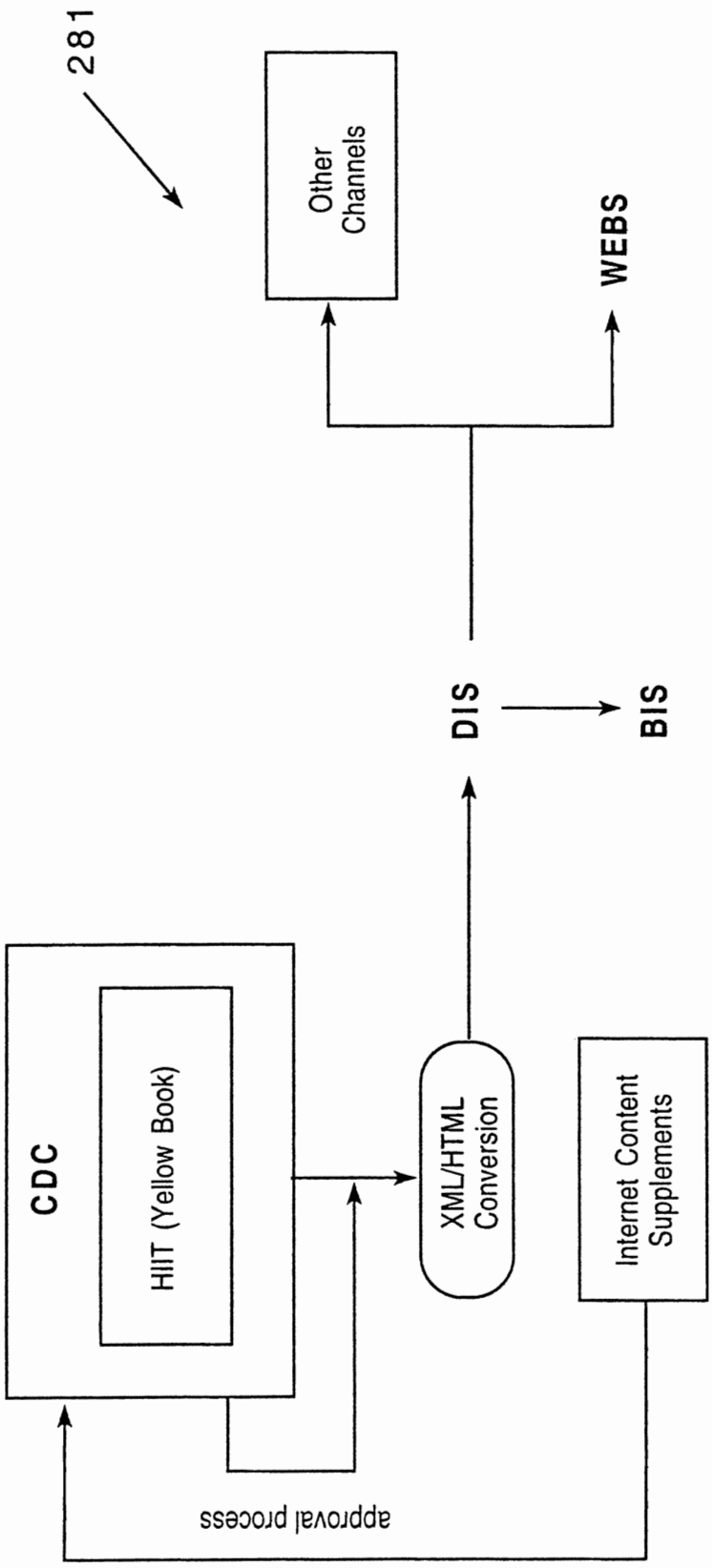

281
Other Channels
WEBS
DIS
BIS
CDC
HIIT (Yellow Book)
XML/HTML Conversion
Internet Content Supplements
approval process

FIG. 19

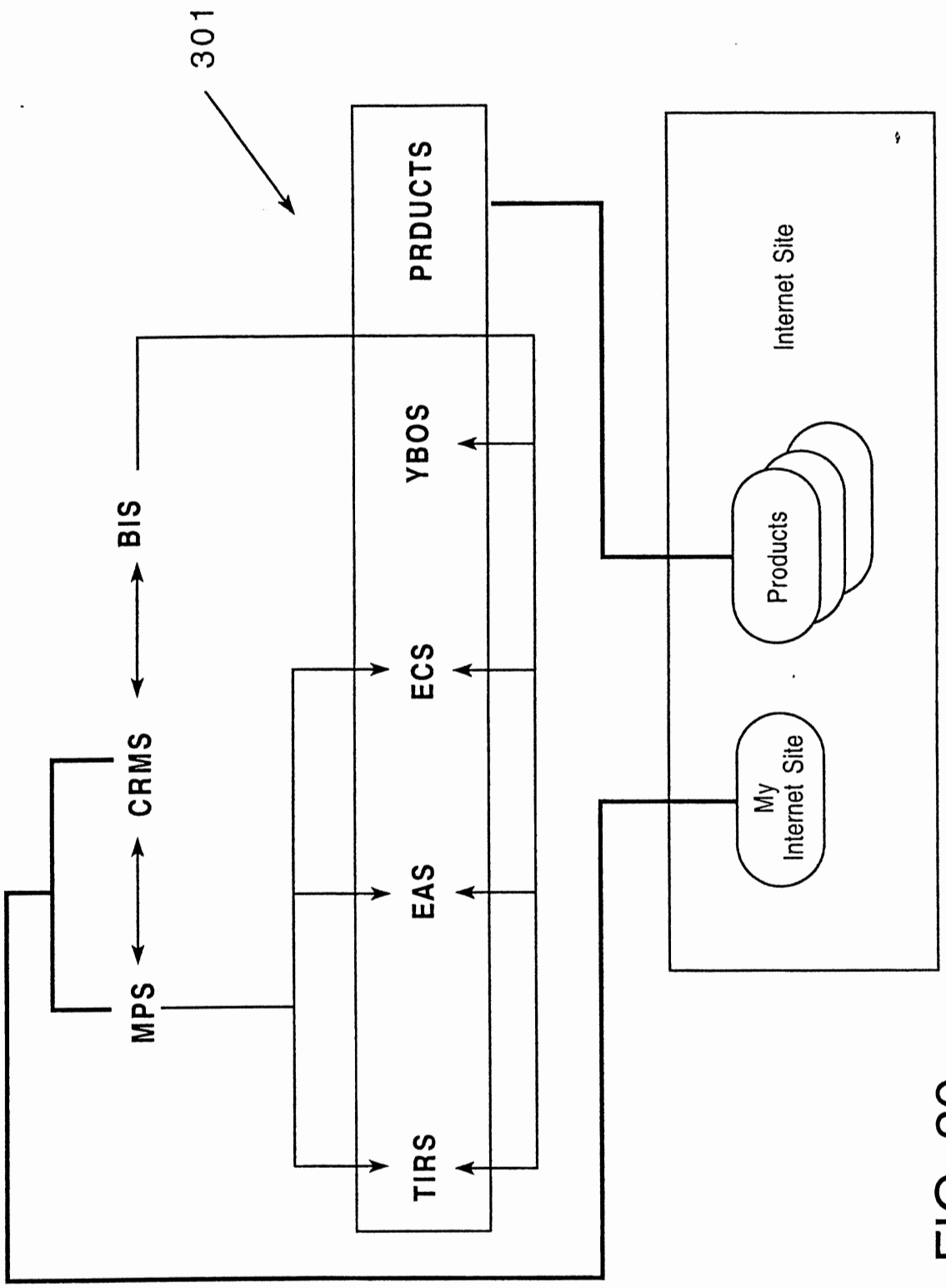

301
PRDUCTS
YBOS
ECS
EAS
TIRS
BIS
CRMS
MPS
Internet Site
Products
My
Internet Site

FIG. 20

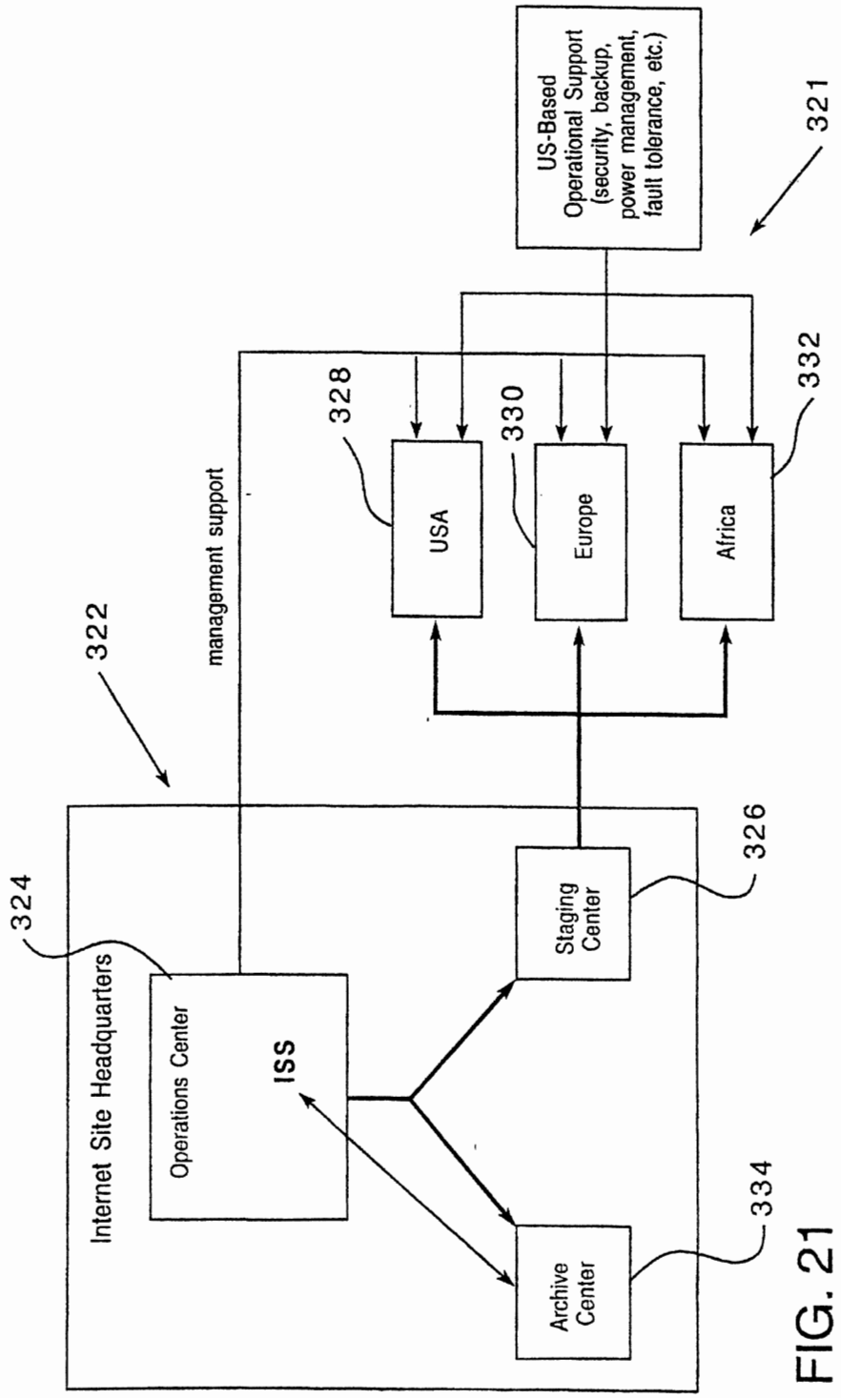

US-Based
Operational Support
(security, backup,
power management,
fault tolerance, etc.)
321
328
330
332
USA
Europe
Africa
management support
322
324
Internet Site Headquarters
Operations Center
ISS
Staging
Center
326
Archive
Center
334

FIG. 21

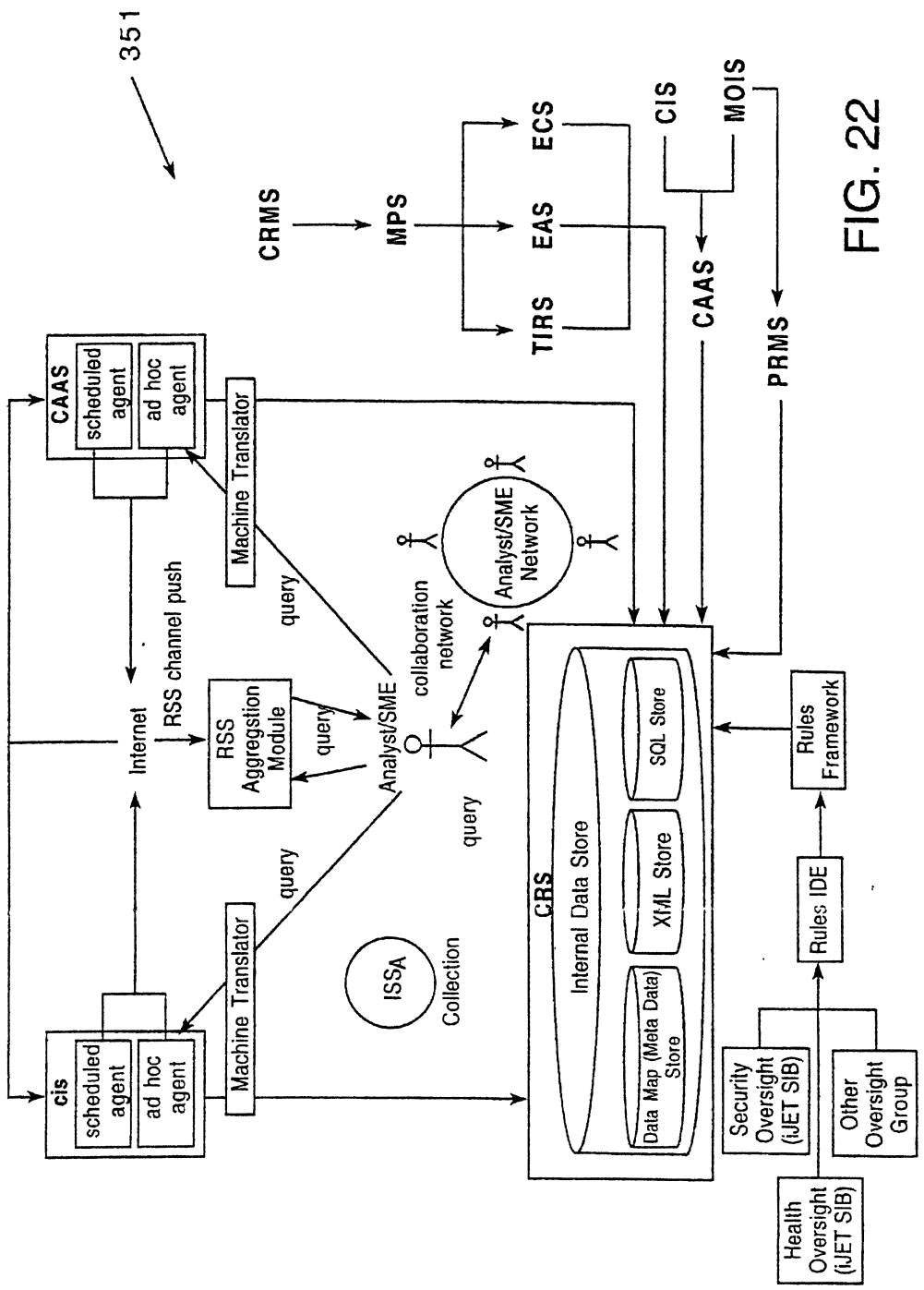

351
CRMS
MPS
ECS
EAS
TIRS
CIS
MOIS
CAAS
PRMS
CAAS
scheduled agent
ad hoc agent
Machine Translator
query
RSS channel push
Internet
RSS Aggregation Module
query
Analyst/SME
collaboration network
Analyst/SME Network
query
query
Machine Translator
cis
scheduled agent
ad hoc agent
ISSA
Collection
CRS
Internal Data Store
SQL Store
XML Store
Data Map (Meta Data) Store
Rules Framework
Rules IDE
Security Oversight (iJET SIB)
Other Oversight Group
Health Oversight (iJET SIB)

FIG. 22

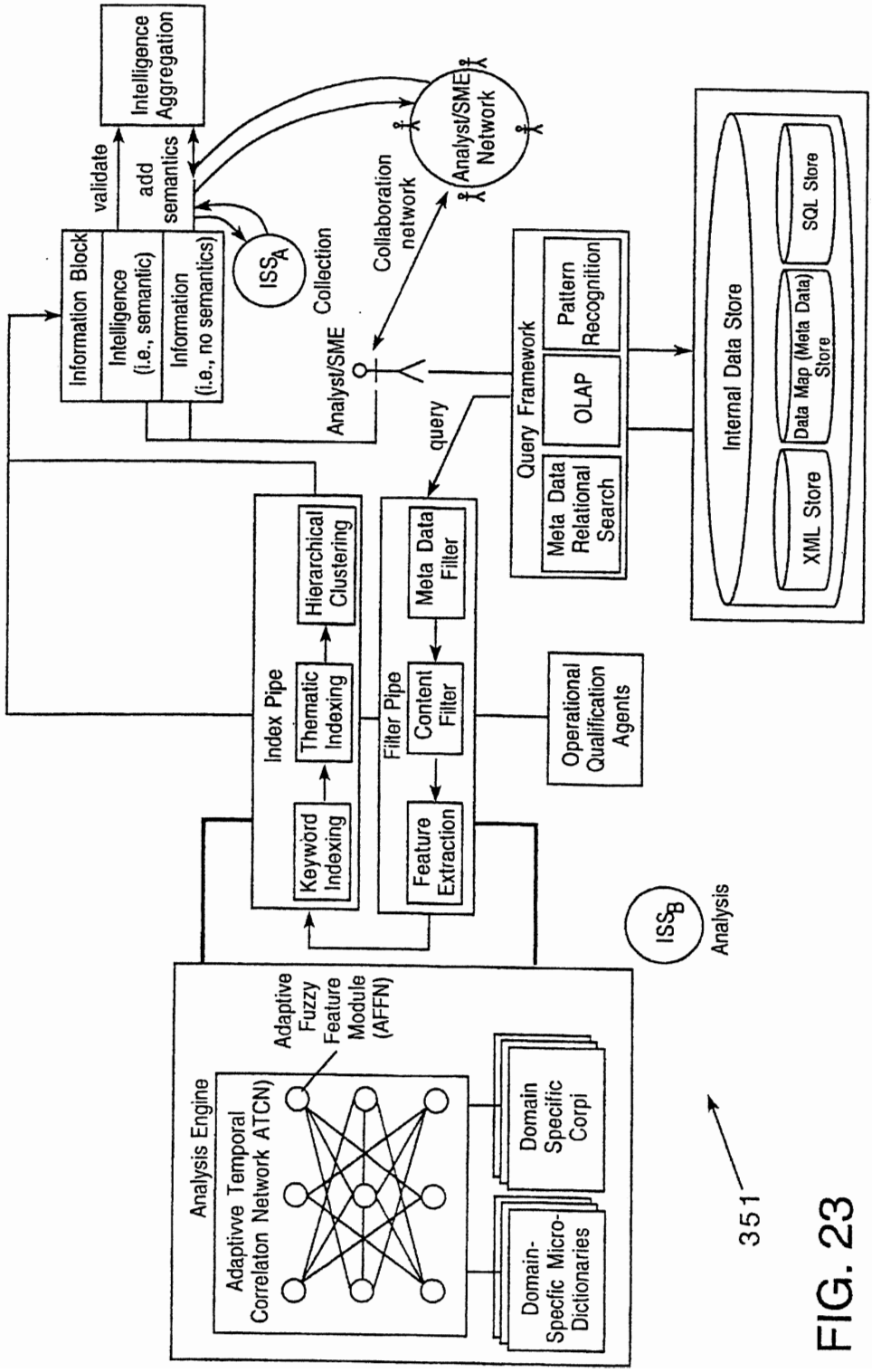

Intelligence Aggregation
validate
add semantics
Information Block
Intelligence (i.e., semantic)
Information (i.e., no semantics)
ISS_A
Collection
Collaboration network
Analyst/SME Network
Analyst/SME
query
Query Framework
Meta Data Relational Search
OLAP
Pattern Recognition
Internal Data Store
XML Store
Data Map (Meta Data) Store
SQL Store
Index Pipe
Keyword Indexing
Thematic Indexing
Hierarchical Clustering
Filter Pipe
Feature Extraction
Content Filter
Meta Data Filter
Operational Qualification Agents
ISS_B
Analysis
Analysis Engine
Adaptive Temporal Correlaton Network ATCN)
Adaptive Fuzzy Feature Module (AFFN)
Domain Specific Corpi
Domain-Specific Micro-Dictionaries
351

FIG. 23

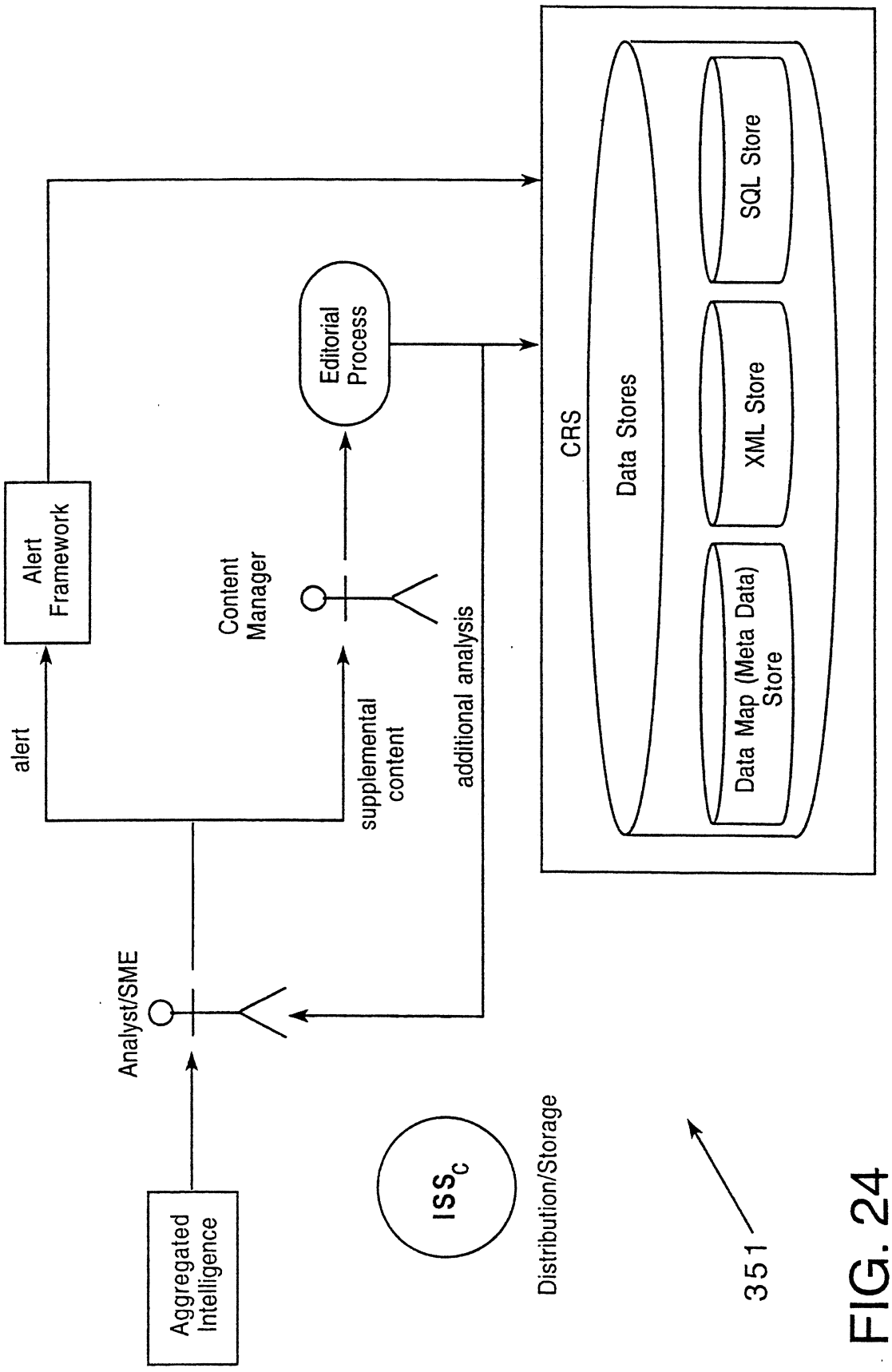

Aggregated Intelligence
Analyst/SME
alert
Alert Framework
Content Manager
supplemental content
Editorial Process
additional analysis
CRS
Data Stores
Data Map (Meta Data) Store
XML Store
SQL Store
ISSc
Distribution/Storage
351

FIG. 24

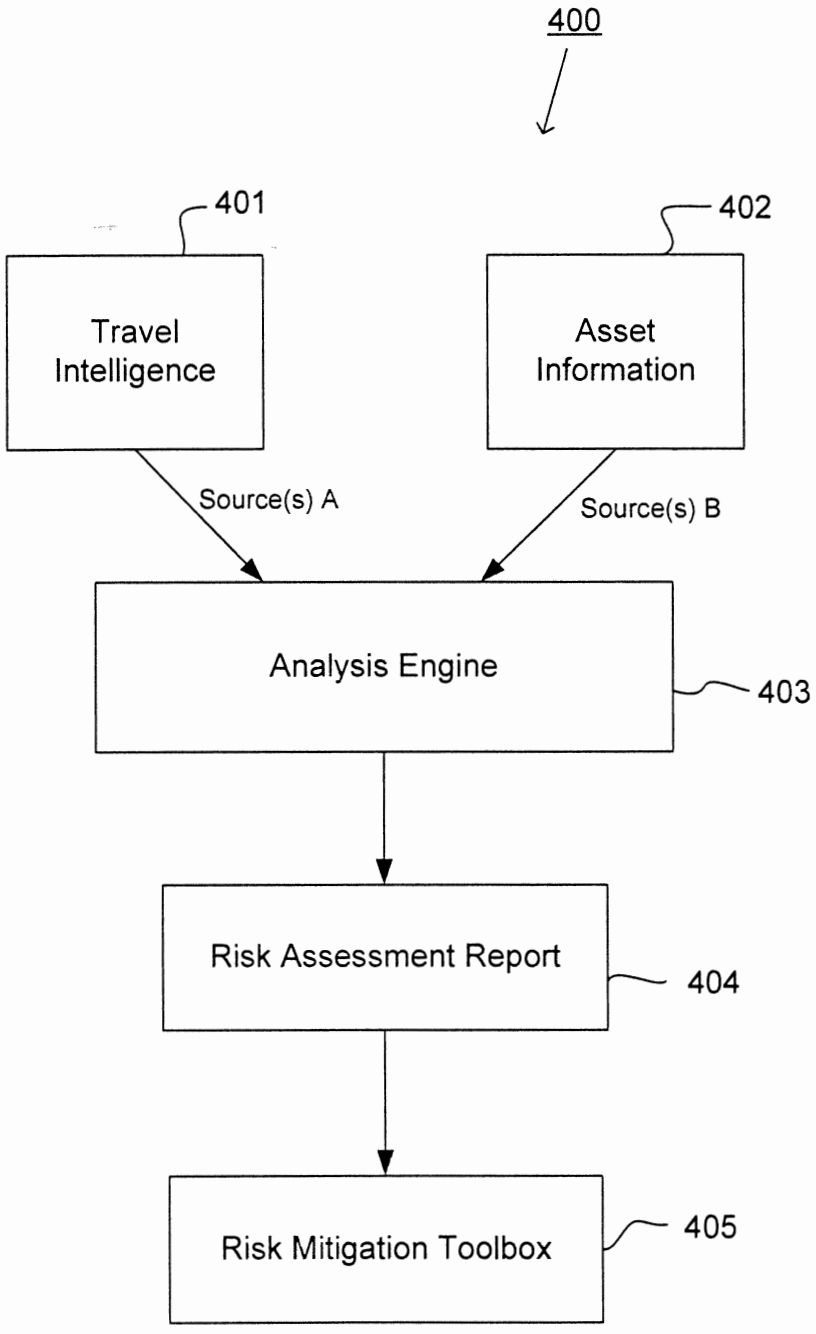

400
401
Travel Intelligence
402
Asset Information
Source(s) A
Source(s) B
Analysis Engine
403
Risk Assessment Report
404
Risk Mitigation Toolbox
405

FIG. 25

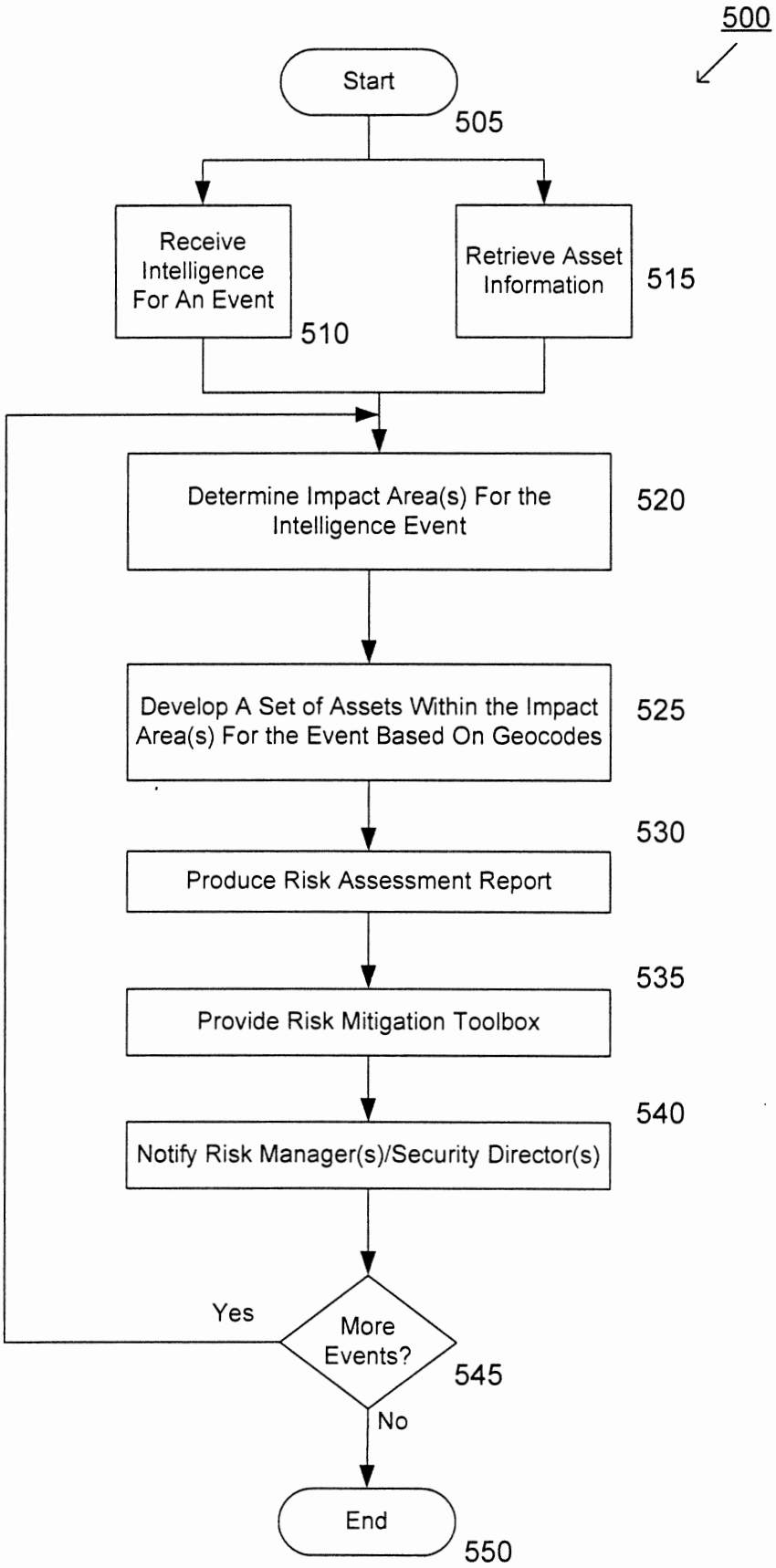

500
Start
505
Receive Intelligence For An Event
510
Retrieve Asset Information
515
Determine Impact Area(s) For the Intelligence Event
520
Develop A Set of Assets Within the Impact Area(s) For the Event Based On Geocodes
525
530
Produce Risk Assessment Report
535
Provide Risk Mitigation Toolbox
540
Notify Risk Manager(s)/Security Director(s)
Yes
More Events?
545
No
End
550

FIG. 26

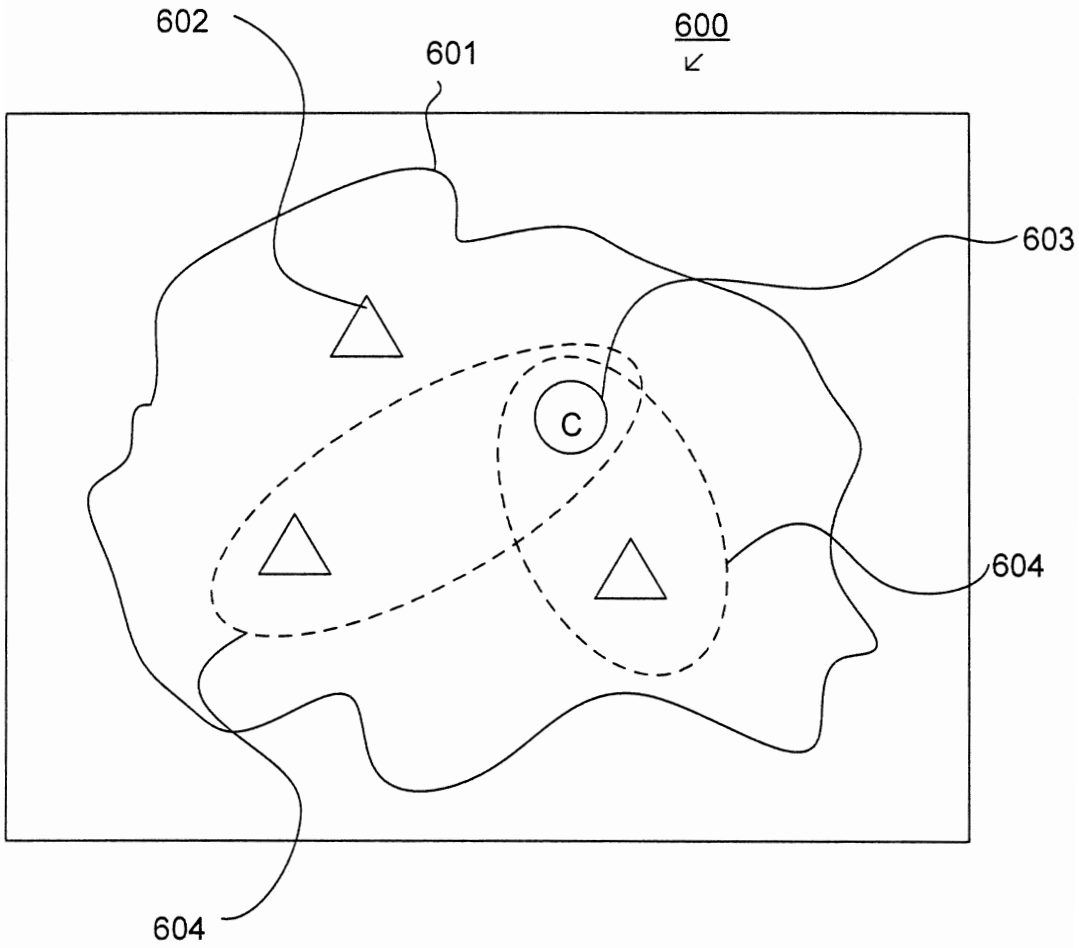
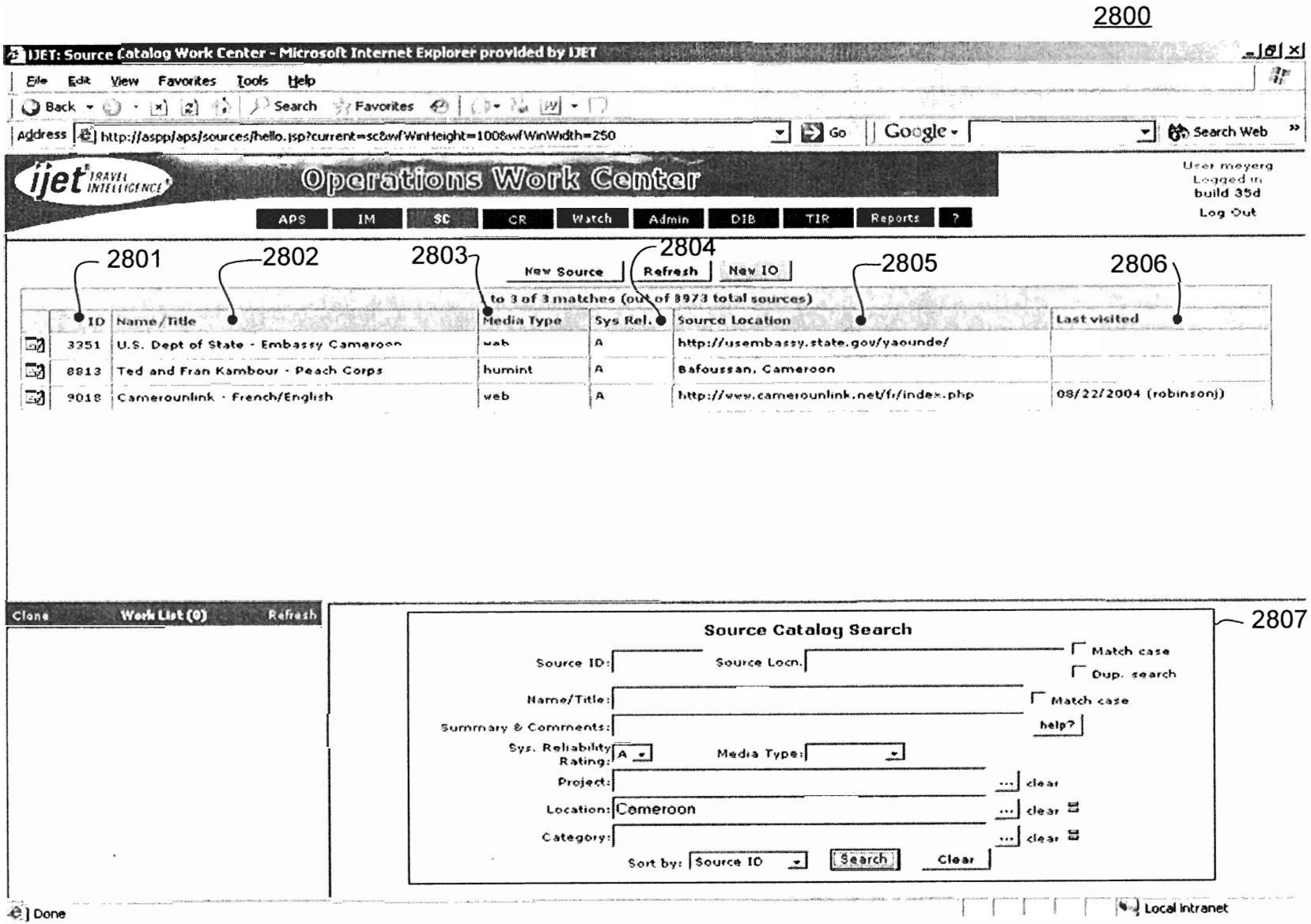
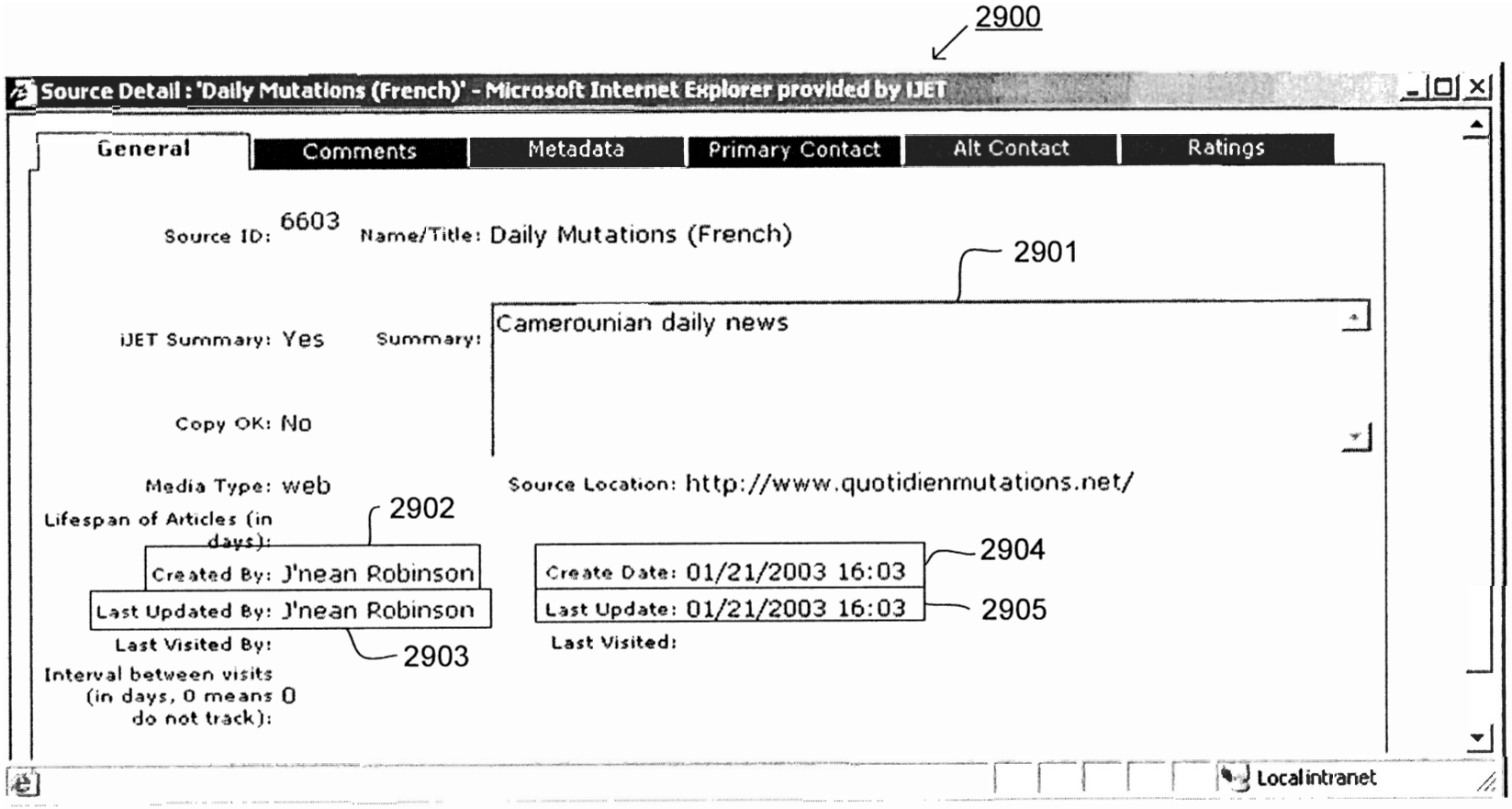


FIG. 27



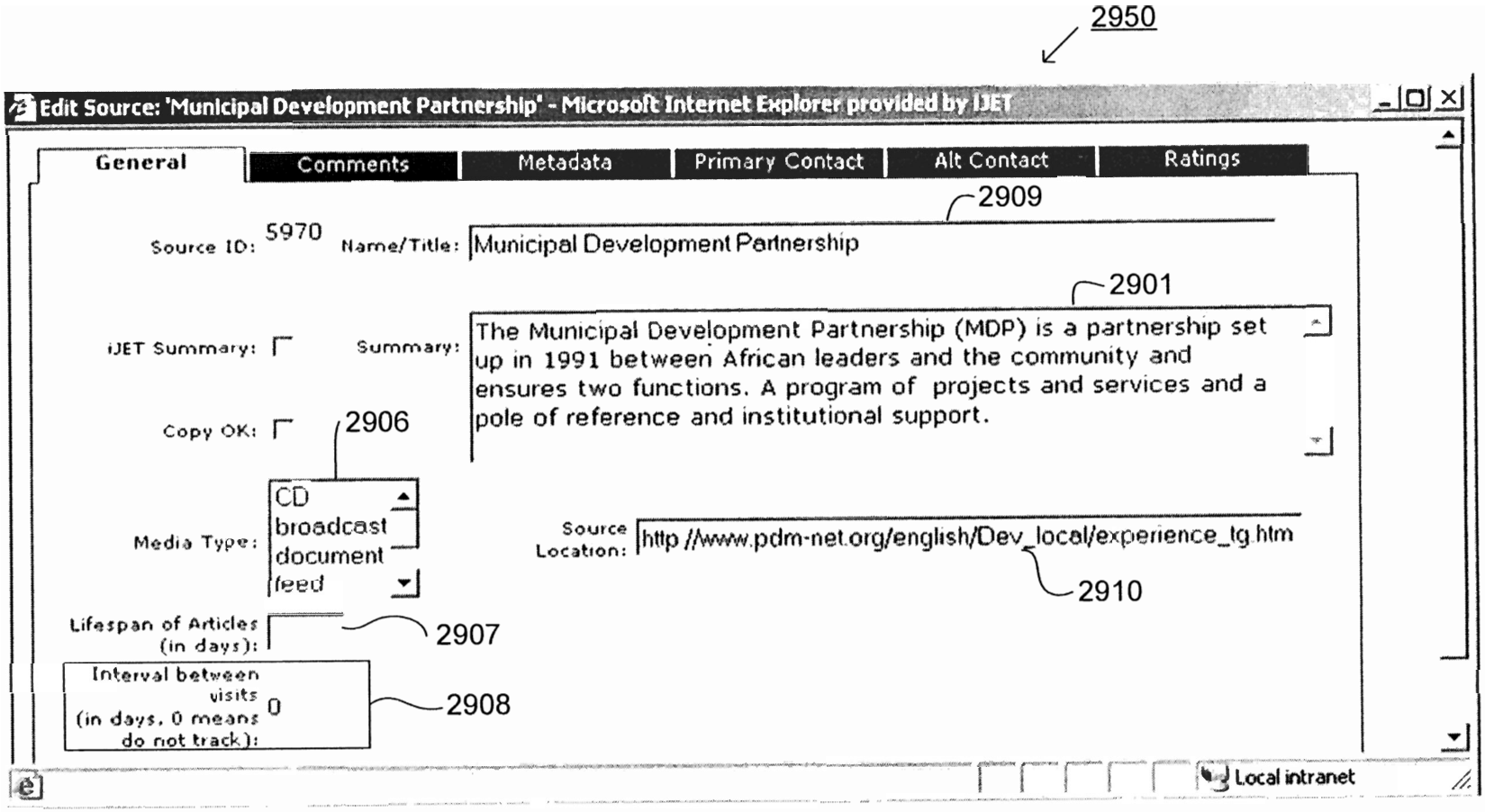
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Fig. 28



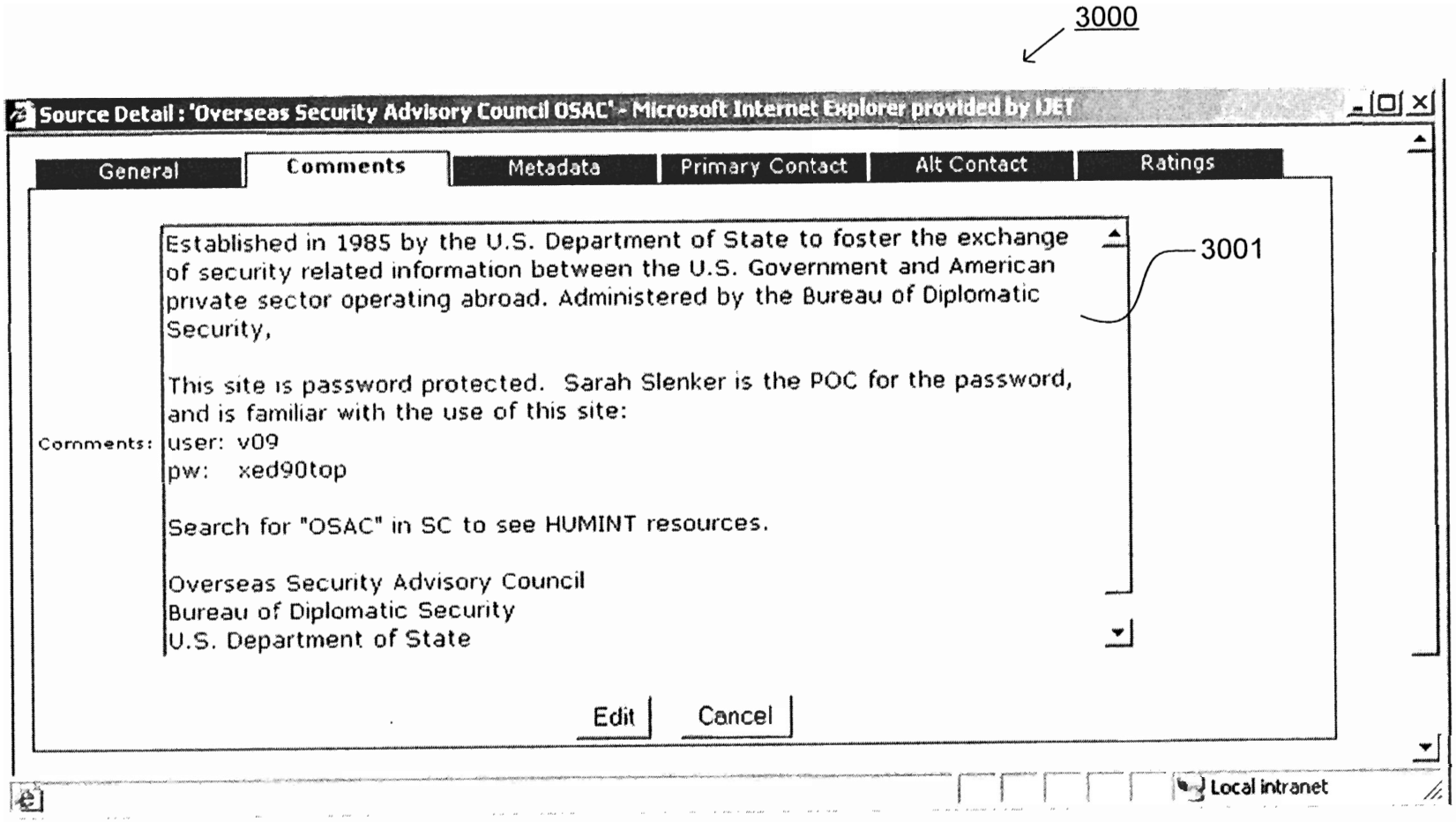
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Fig. 29a



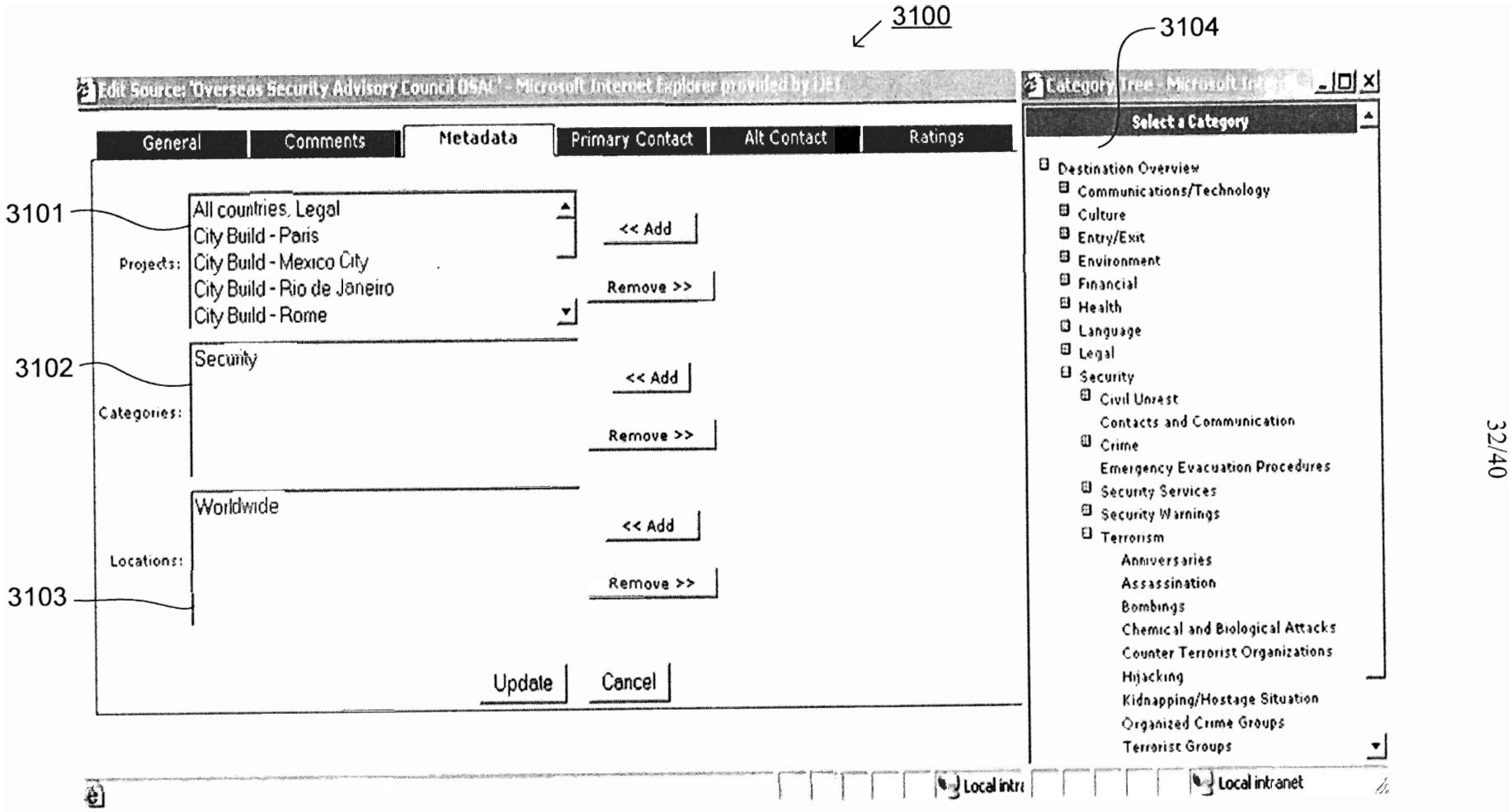
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Fig. 29b



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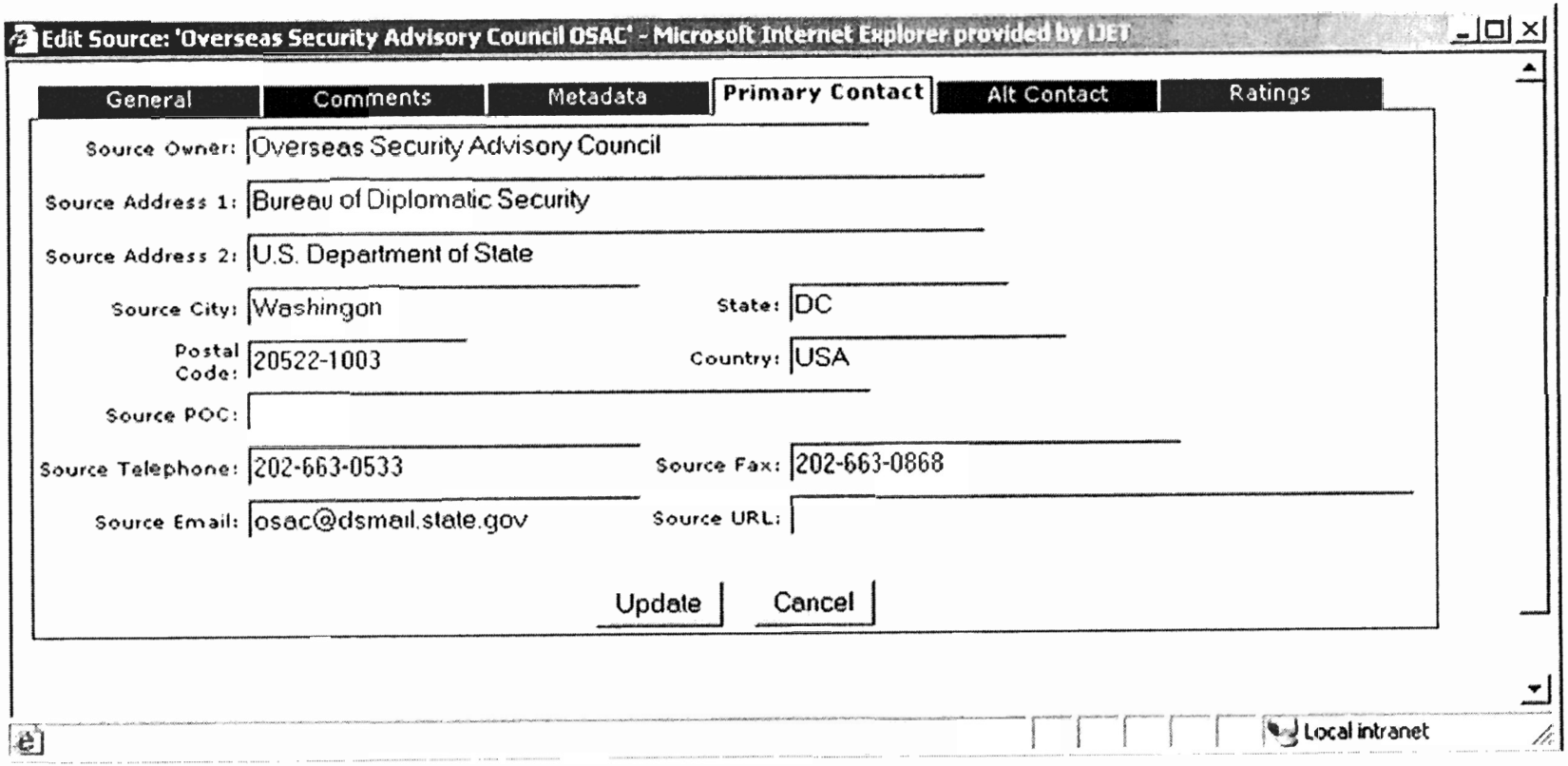
Fig. 30



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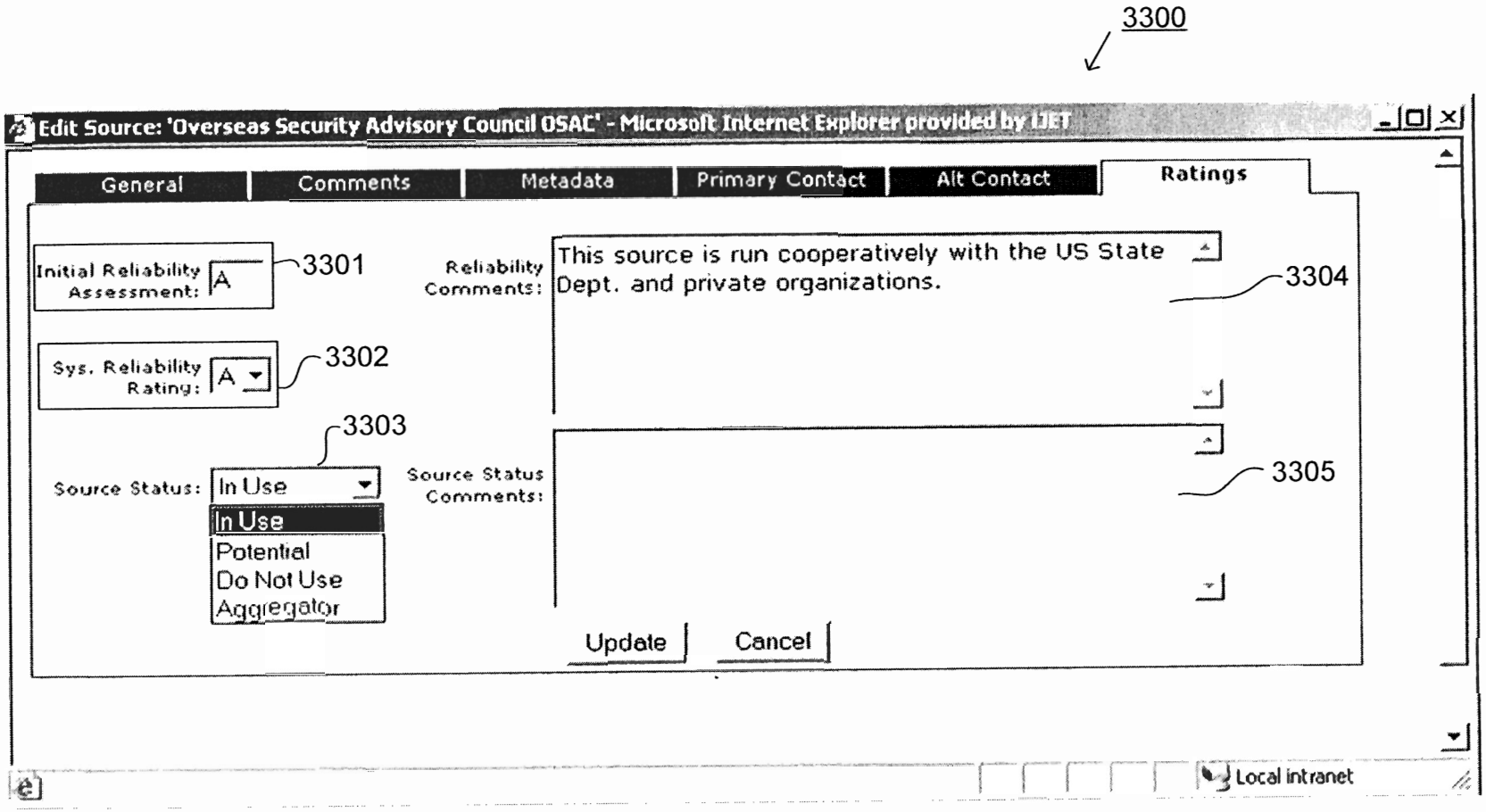
Fig. 31

3200



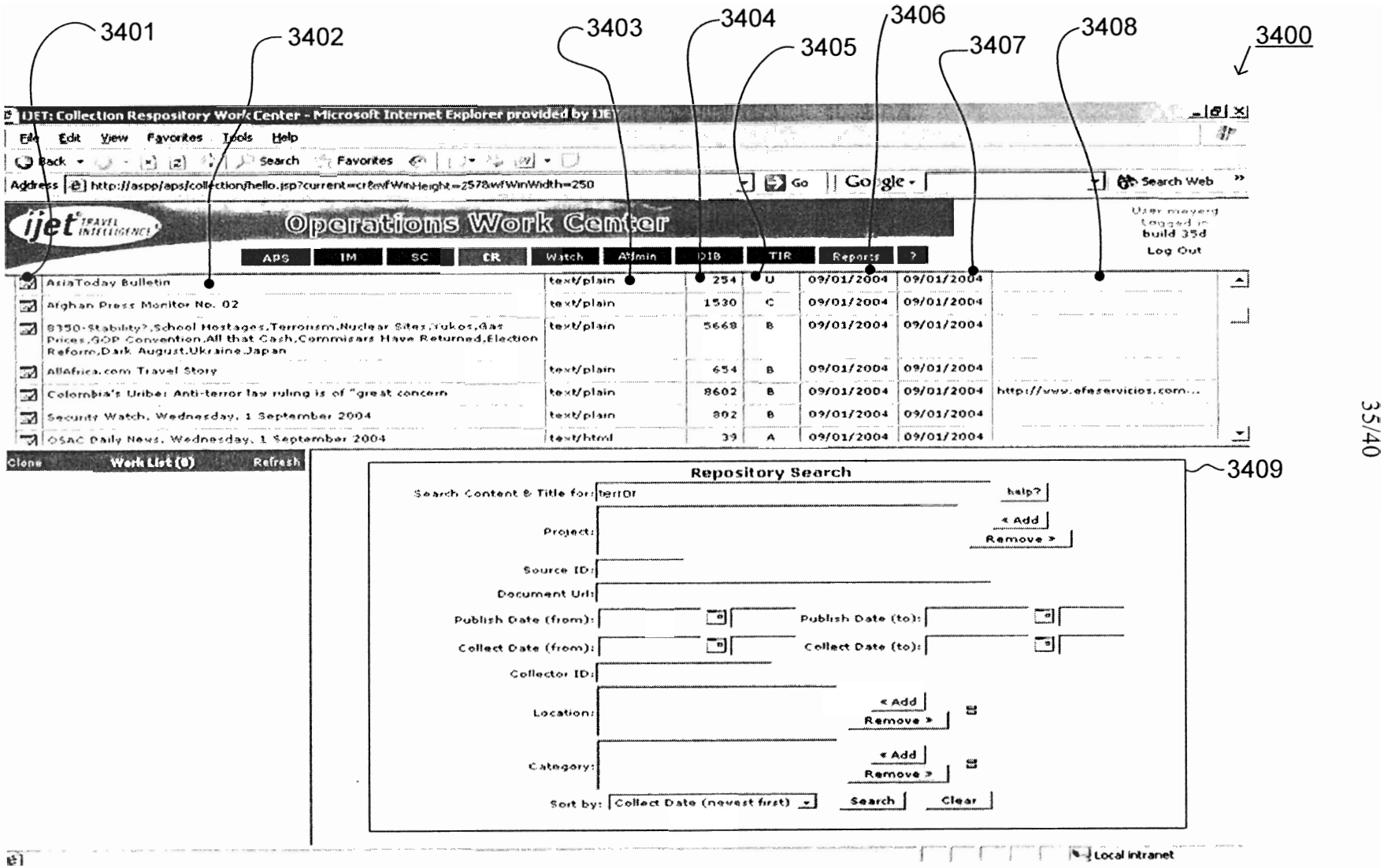
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Fig. 32



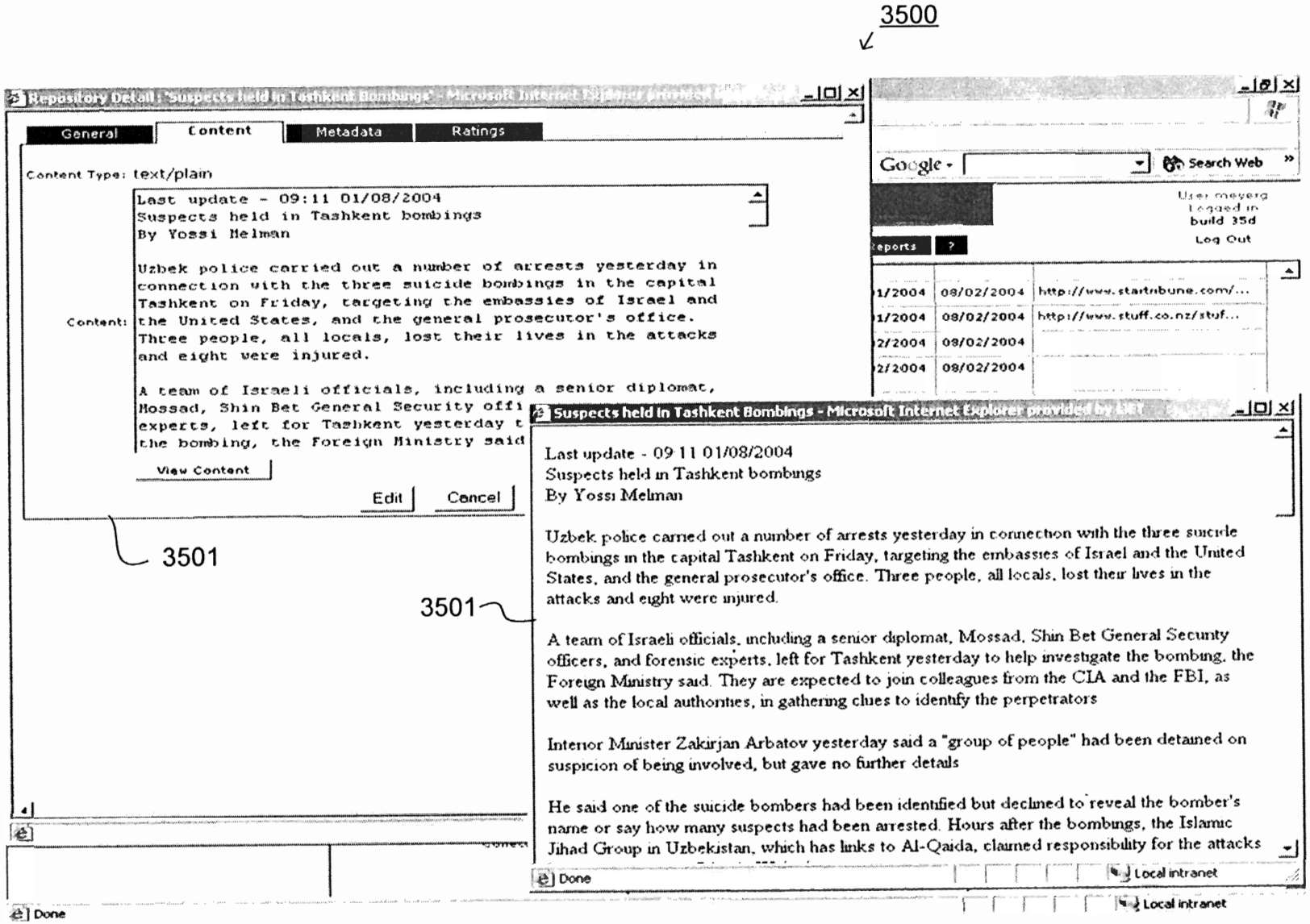
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Fig. 33



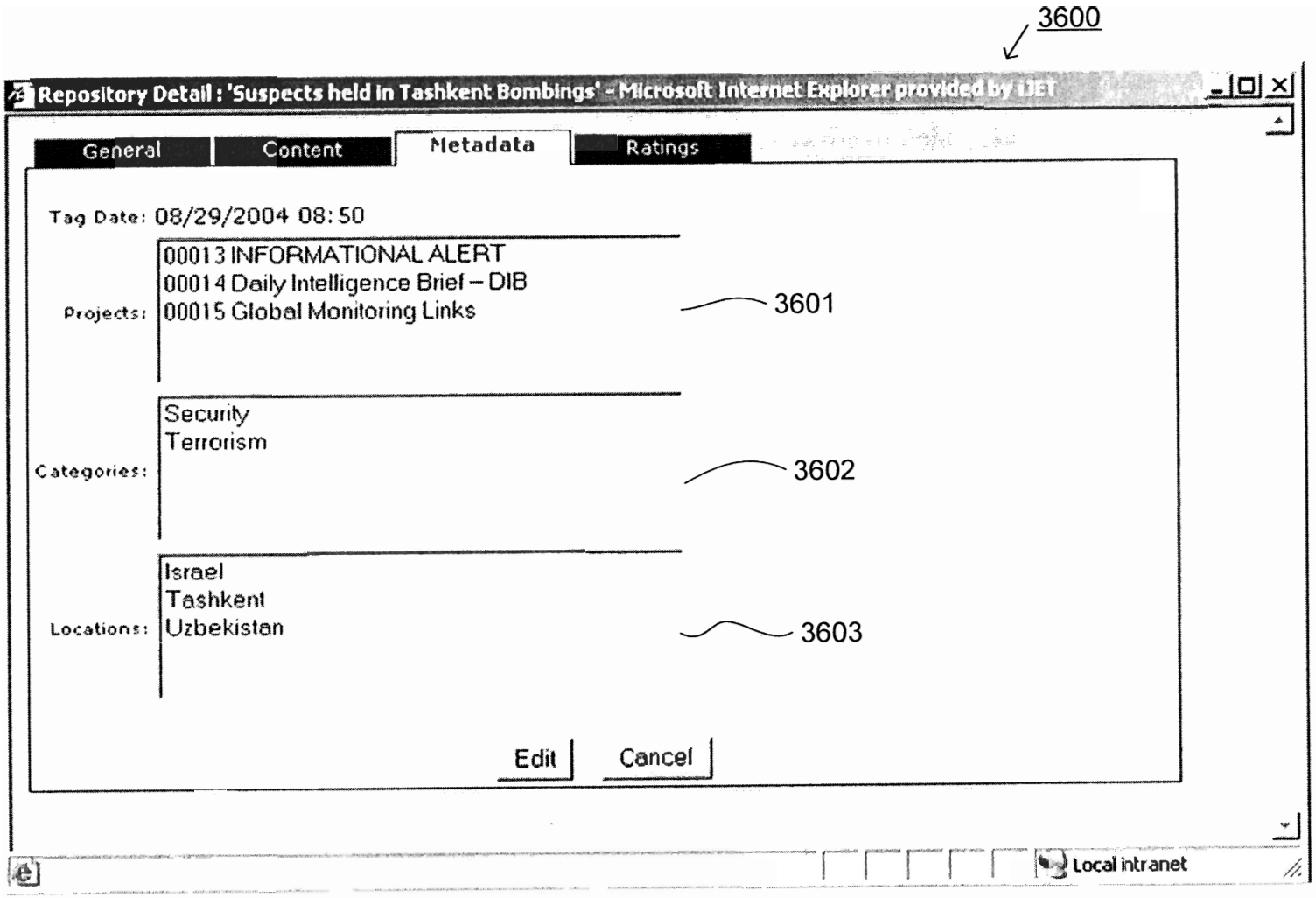
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Fig. 34



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Fig. 35



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Fig. 36

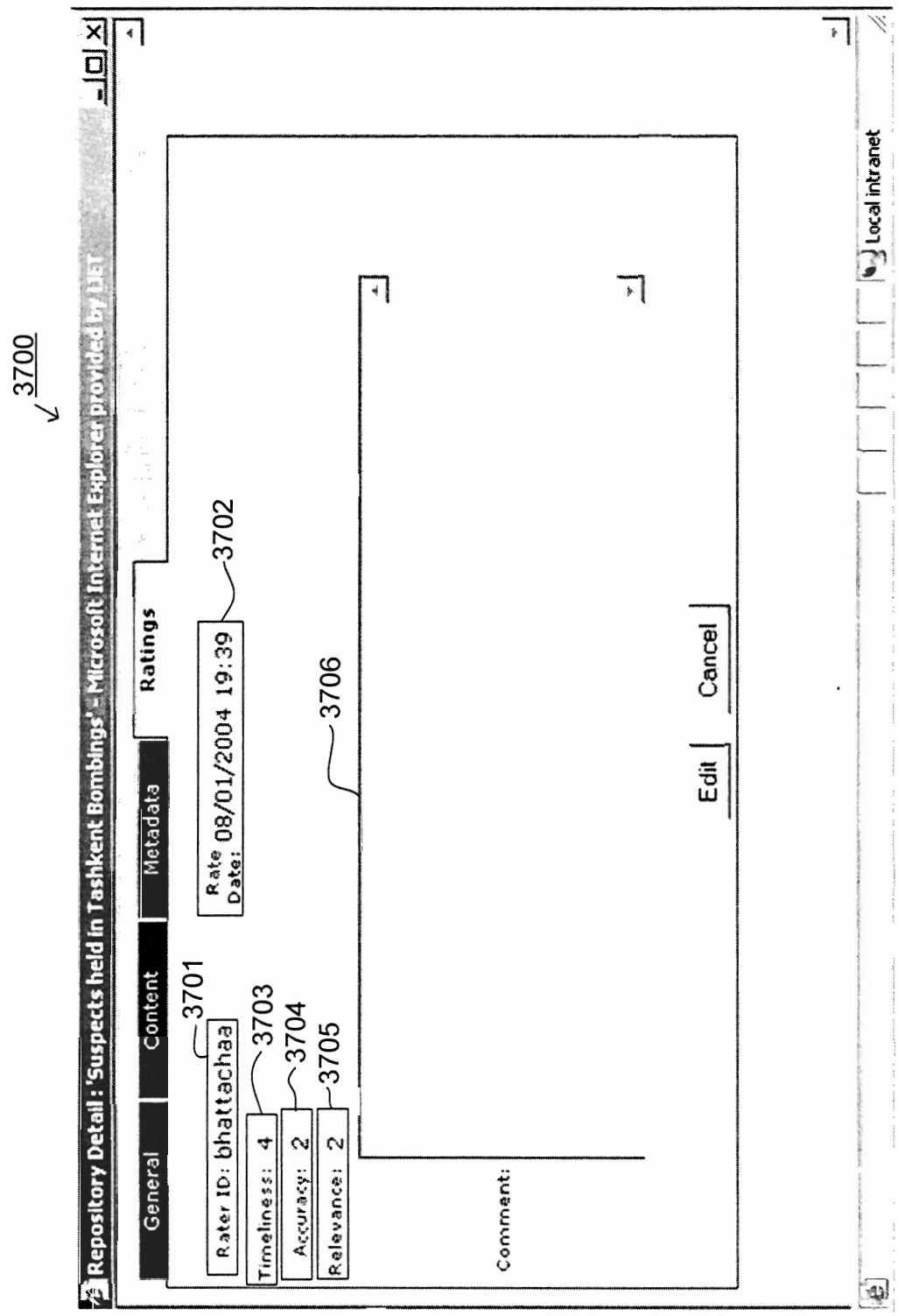
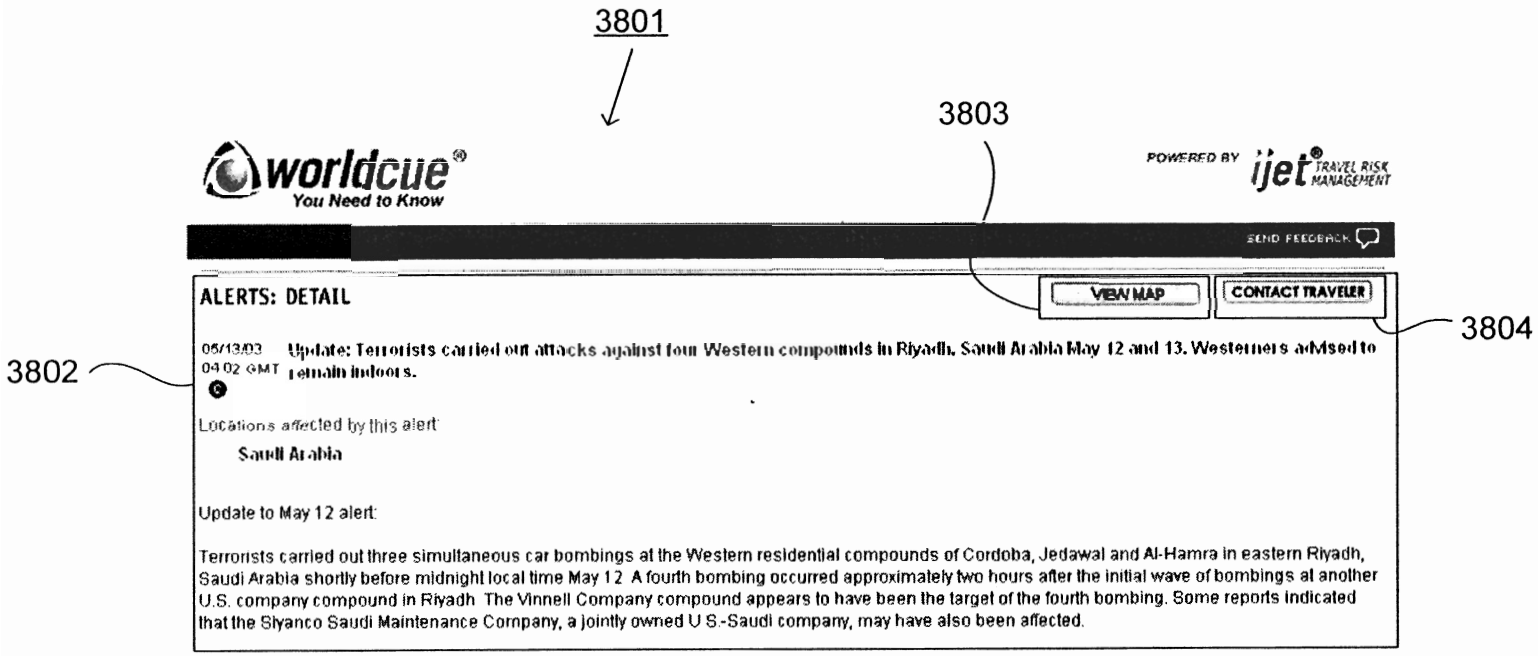


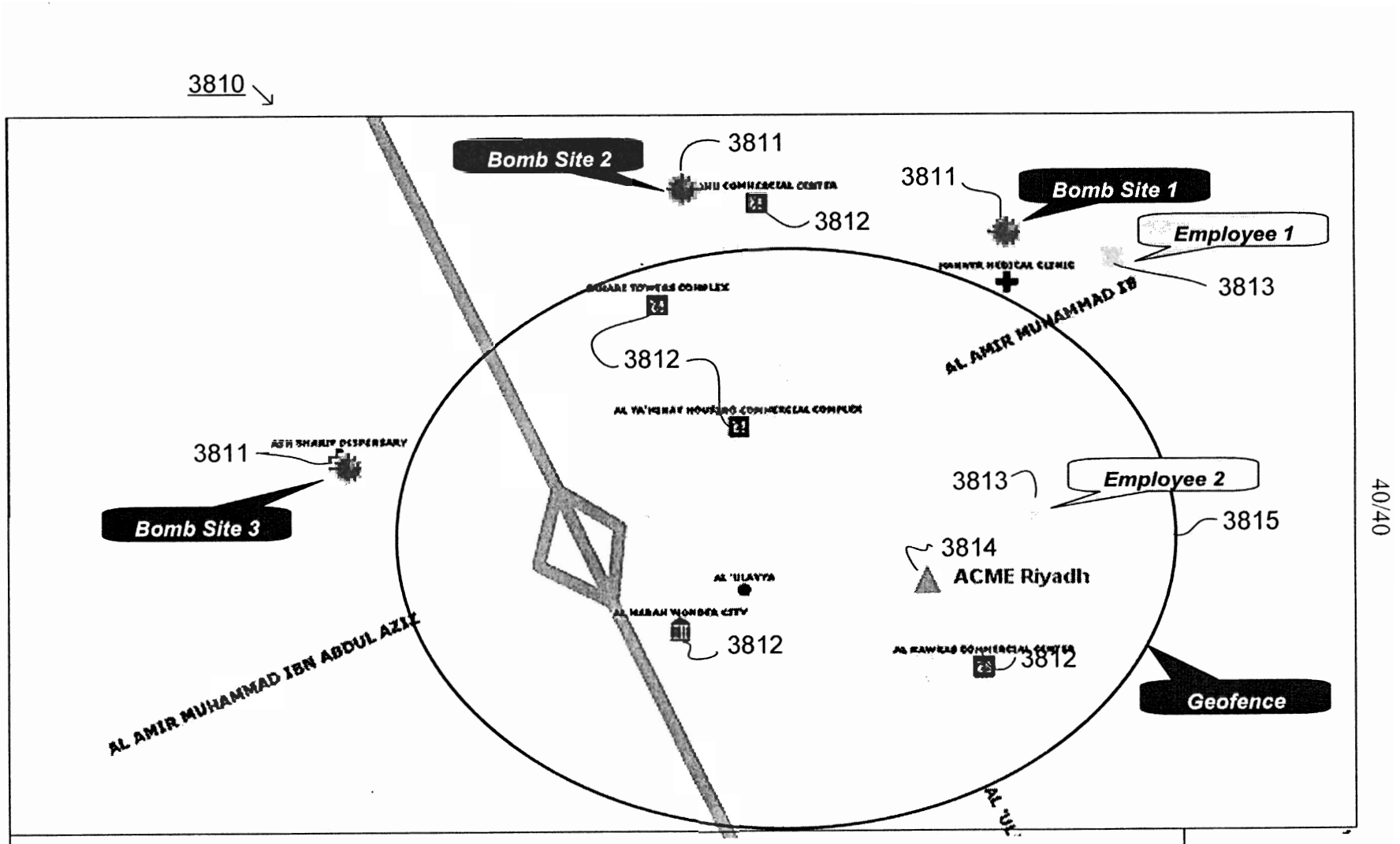
Fig. 37

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Fig. 38a



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Fig. 38b