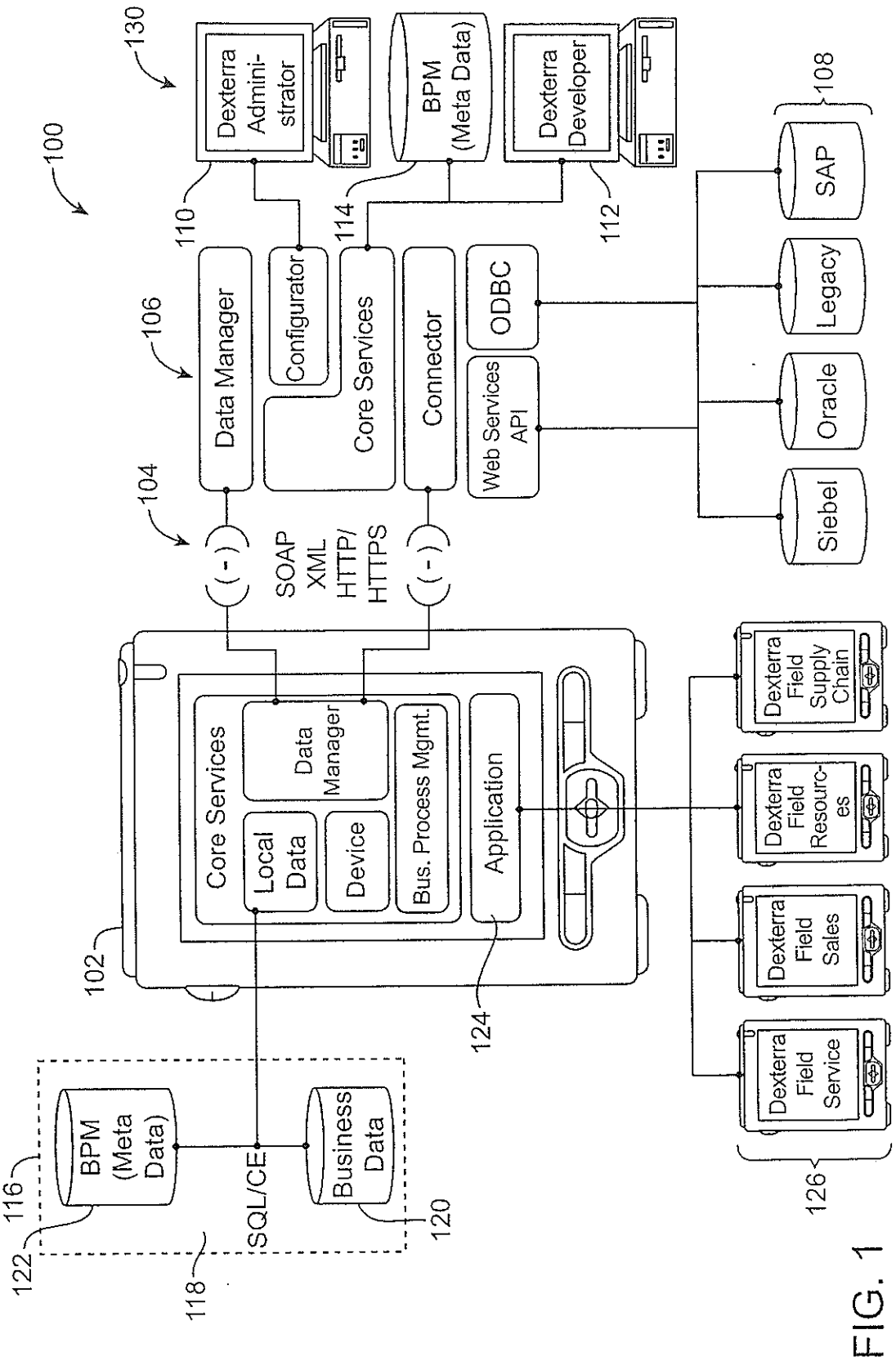

100
130
Dexterra Admini-strator
BPM (Meta Data)
Dexterra Developer
110
114
112
108
SAP
Legacy
Oracle
Siebel
106
Data Manager
Configurator
Core Services
Connector
ODBC
Web Services API
104
(-)
SOAP
XML
HTTP/
HTTPS
(-)
102
Core Services
Local Data
Device
Data Manager
Bus. Process Mgmt.
Application
124
Dexterra Field Supply Chain
Dexterra Field Resourc-es
Dexterra Field Sales
Dexterra Field Service
126
116
BPM (Meta Data)
122
SQL/CE
118
Business Data
120

FIG. 1

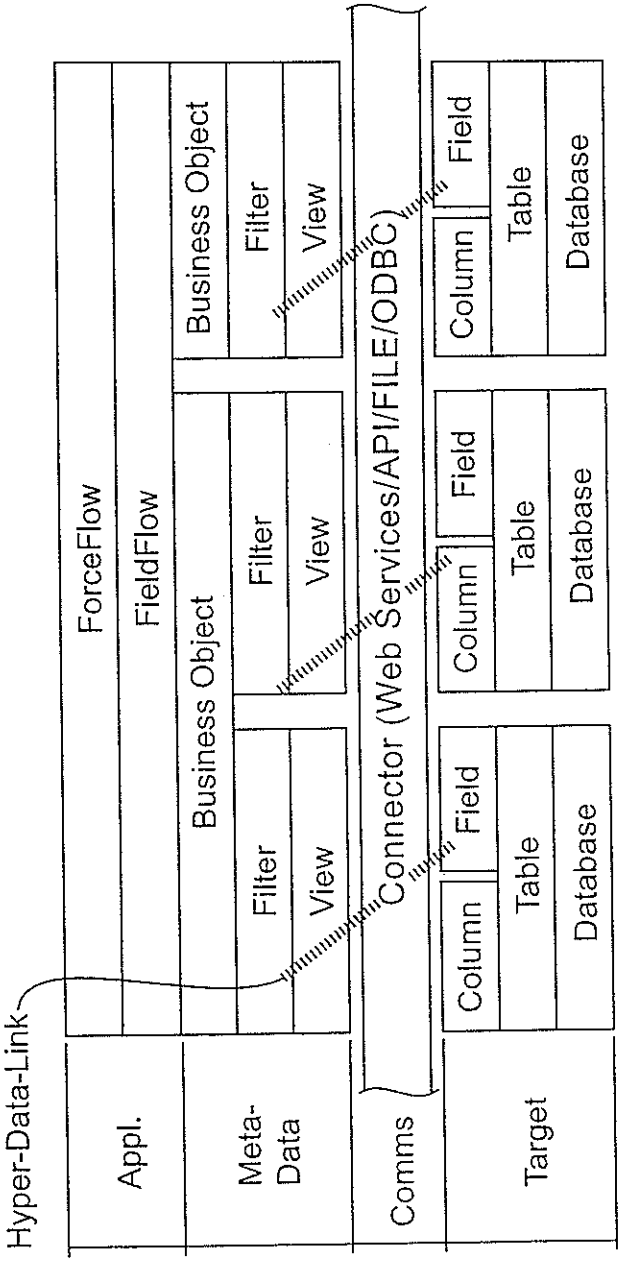

Hyper-Data-Link
Appl.
Meta-Data
Comms
Target
ForceFlow
FieldFlow
Business Object
Filter
View
Business Object
Filter
View
Connector (Web Services/API/FILE/ODBC)
Column
Field
Table
Database
Column
Field
Table
Database
Column
Field
Table
Database

FIG. 2

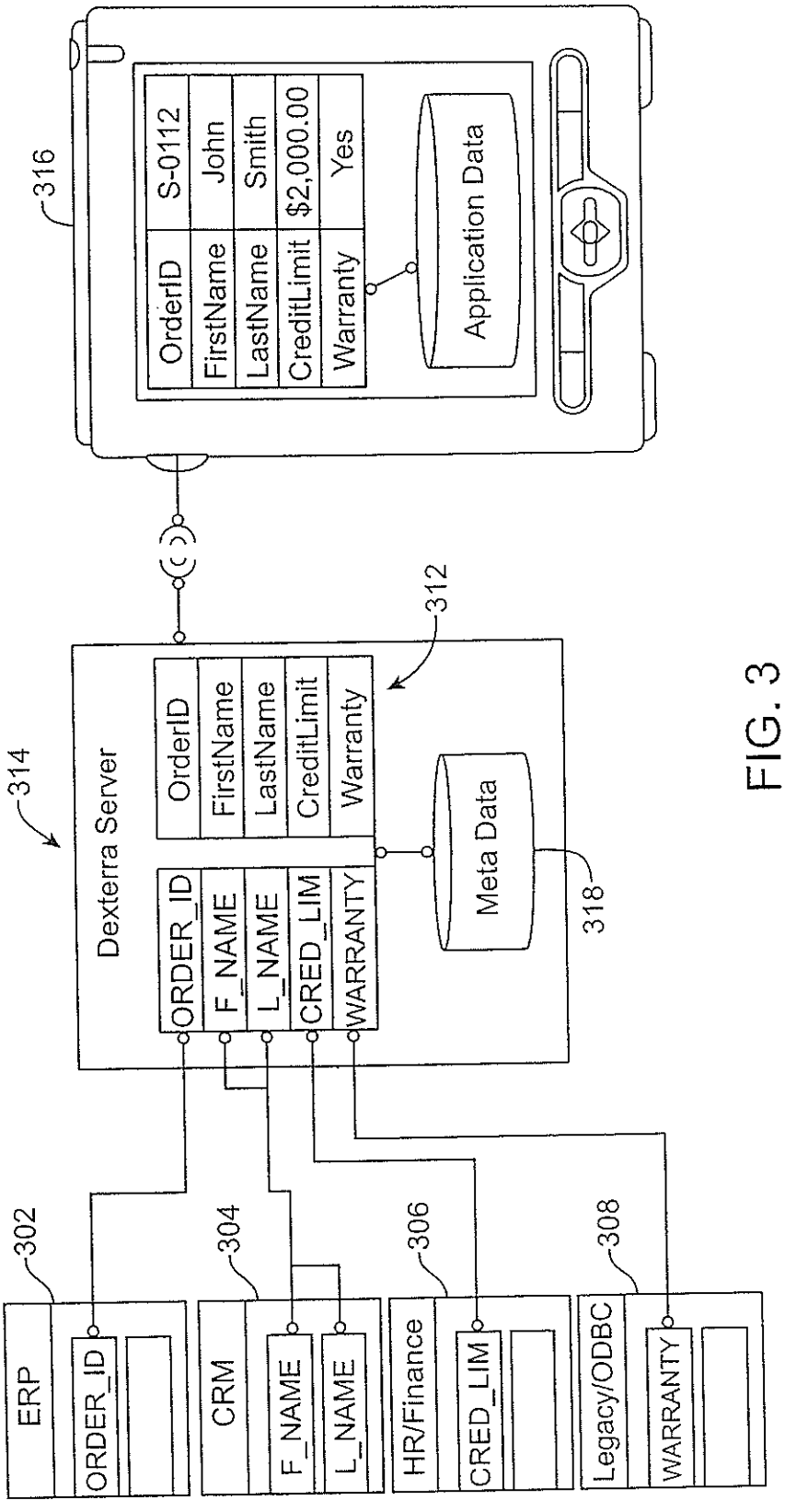

316
OrderID
S-0112
FirstName
John
LastName
Smith
CreditLimit
$2,000.00
Warranty
Yes
Application Data
312
314
Dexterra Server
OrderID
FirstName
LastName
CreditLimit
Warranty
ORDER_ID
F_NAME
L_NAME
CRED_LIM
WARRANTY
Meta Data
318
302
ERP
ORDER_ID
304
CRM
F_NAME
L_NAME
306
HR/Finance
CRED_LIM
308
Legacy/ODBC
WARRANTY

FIG. 3

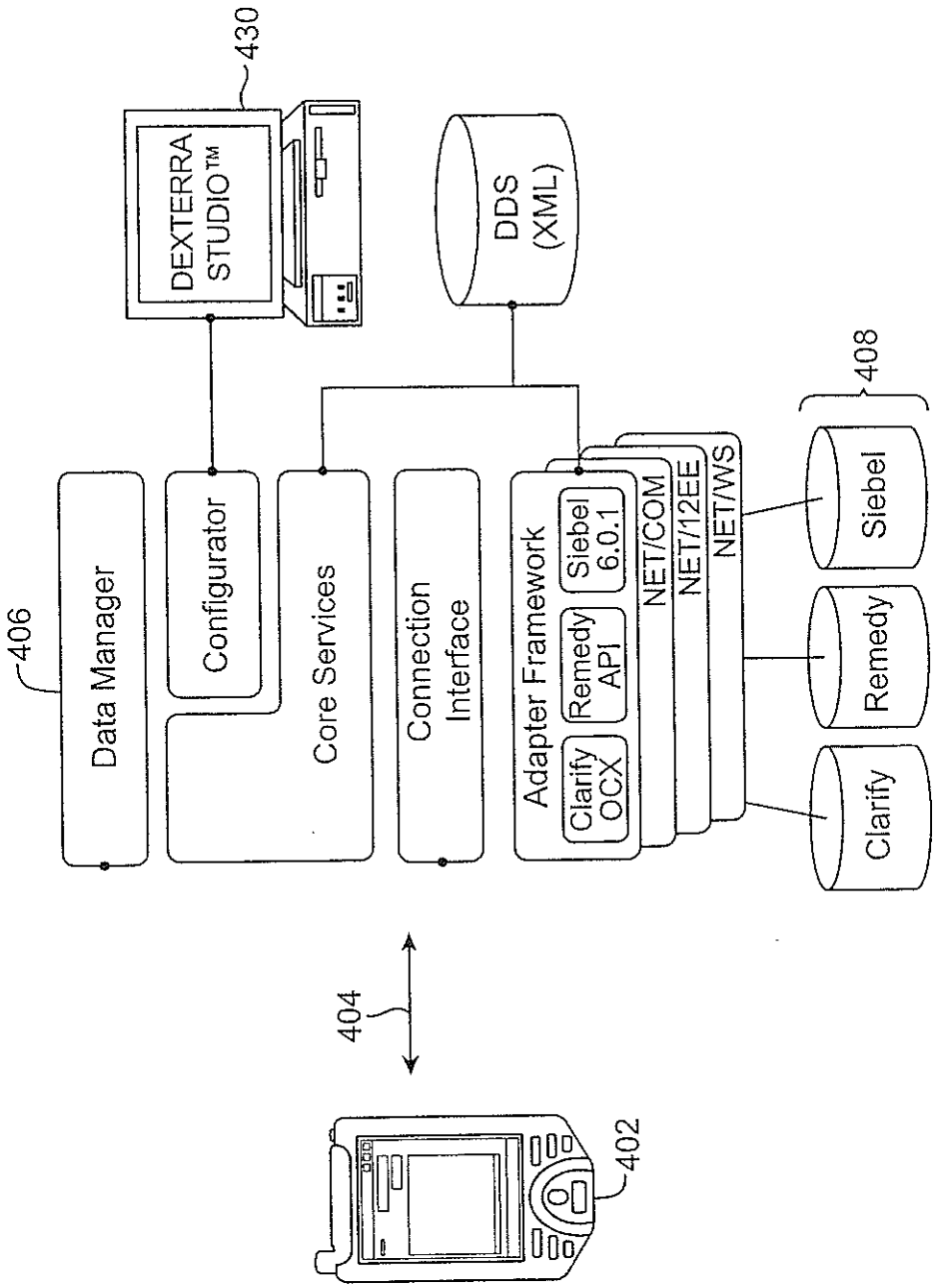

430
DEXTERRA STUDIO™
DDS (XML)
406
Data Manager
Configurator
Core Services
Connection Interface
Adapter Framework
Clarify OCX
Remedy API
Siebel 6.0.1
NET/COM
NET/12EE
NET/WS
408
Siebel
Remedy
Clarify
404
402

FIG. 4

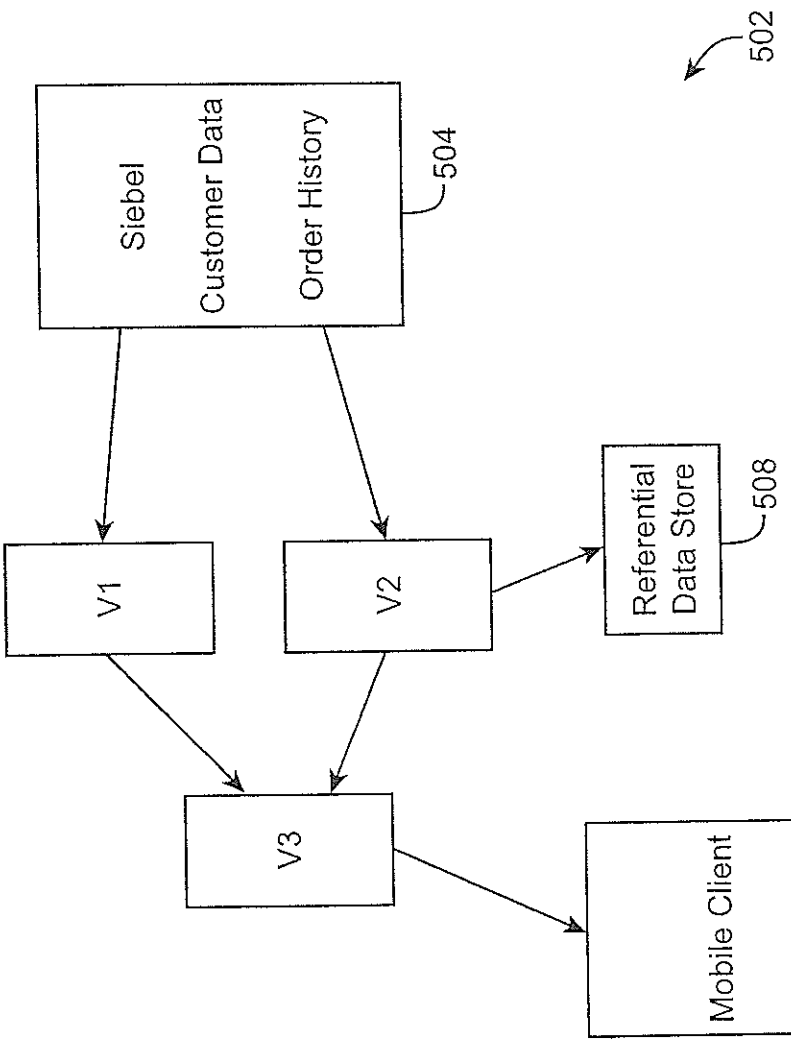

502
Siebel
Customer Data
Order History
504
V1
V2
Referential
Data Store
508
V3
Mobile Client
506

FIG. 5

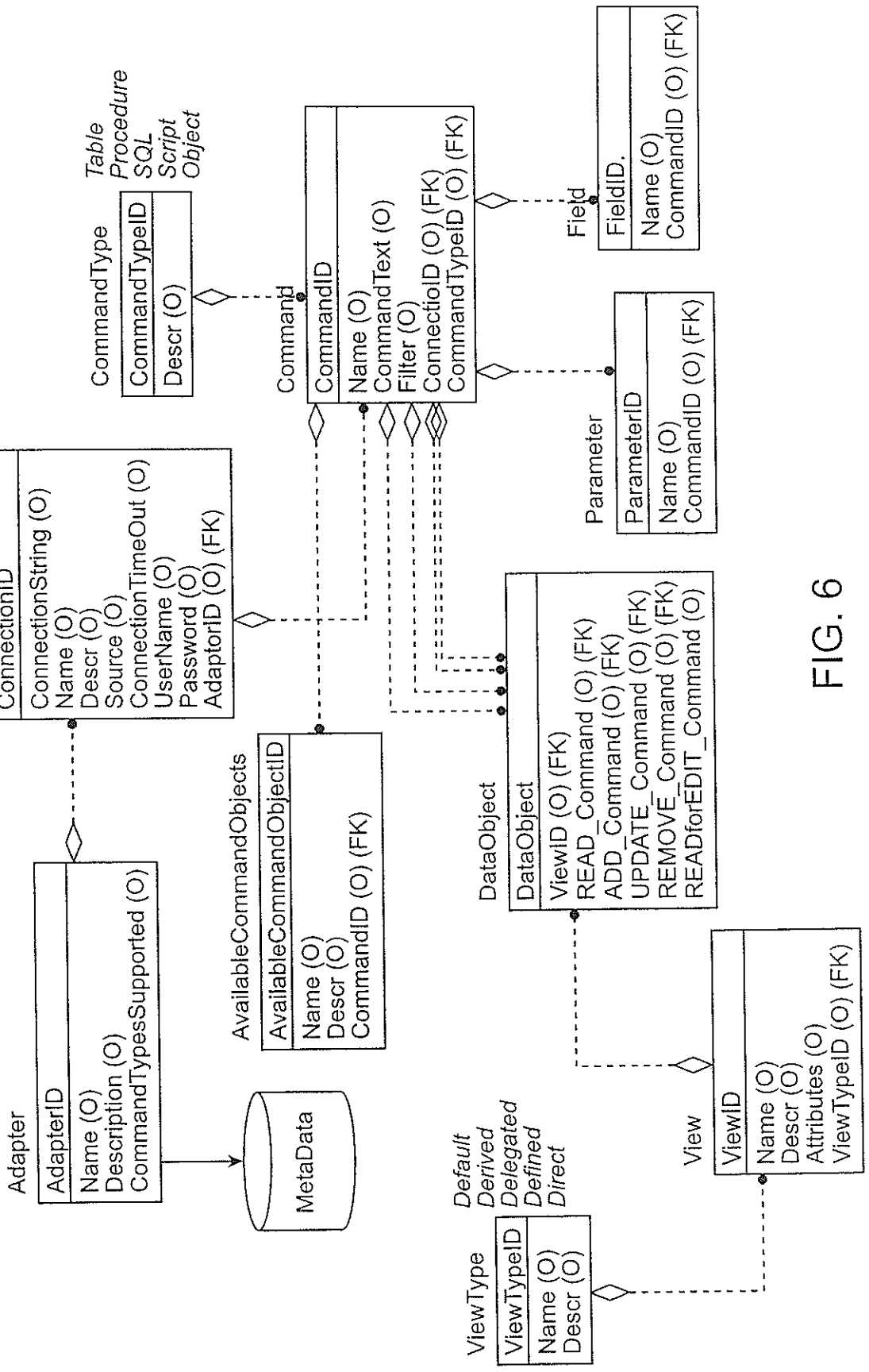

Adapter
AdapterID
Name (O)
Description (O)
CommandTypesSupported (O)
MetaData
Connection
ConnectionID
ConnectionString (O)
Name (O)
Descr (O)
Source (O)
ConnectionTimeOut (O)
UserName (O)
Password (O)
AdaptorID (O) (FK)
CommandType
CommandTypeID
Descr (O)
Table
Procedure
SQL
Script
Object
Command
CommandID
Name (O)
CommandText (O)
Filter (O)
ConnectioID (O) (FK)
CommandTypeID (O) (FK)
Field
FieldID.
Name (O)
CommandID (O) (FK)
Parameter
ParameterID
Name (O)
CommandID (O) (FK)
AvailableCommandObjects
AvailableCommandObjectID
Name (O)
Descr (O)
CommandID (O) (FK)
DataObject
DataObject
ViewID (O) (FK)
READ_Command (O) (FK)
ADD_Command (O) (FK)
UPDATE_Command (O) (FK)
REMOVE_Command (O) (FK)
READforEDIT_Command (O)
View
ViewID
Name (O)
Descr (O)
Attributes (O)
ViewTypeID (O) (FK)
ViewType
ViewTypeID
Name (O)
Descr (O)
Default
Derived
Delegated
Defined
Direct

FIG. 6

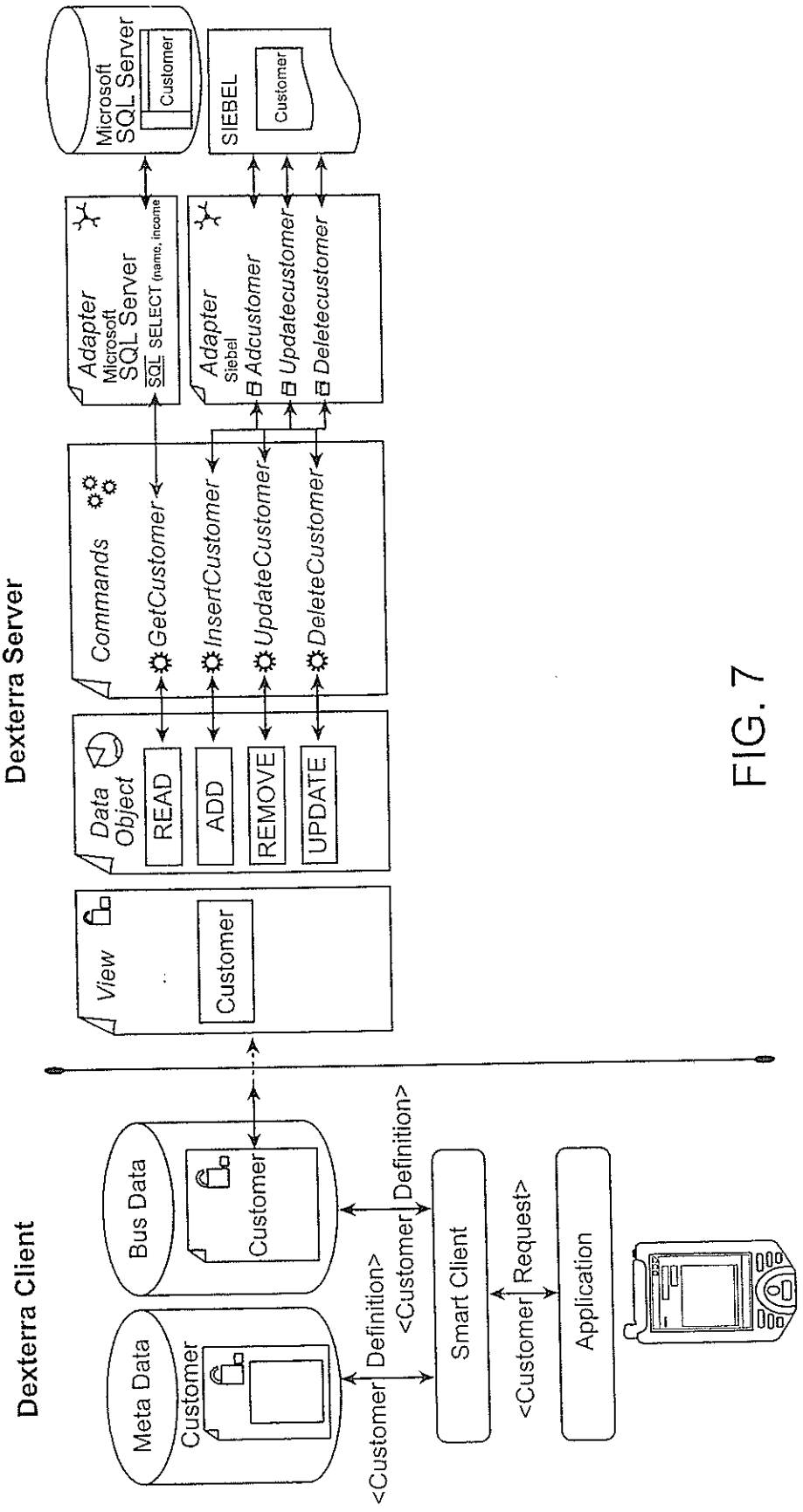

Dexterra Client
Dexterra Server
Meta Data
Customer
Bus Data
Customer
View
Customer
Data Object
READ
ADD
REMOVE
UPDATE
Commands
GetCustomer
InsertCustomer
UpdateCustomer
DeleteCustomer
Adapter
Microsoft SQL Server
SQL SELECT (name, income
Adapter
Siebel
Adcustomer
Updatecustomer
Deletecustomer
Microsoft SQL Server
Customer
SIEBEL
Customer
<Customer Definition>
<Customer Definition>
Smart Client
<Customer Request>
Application

FIG. 7

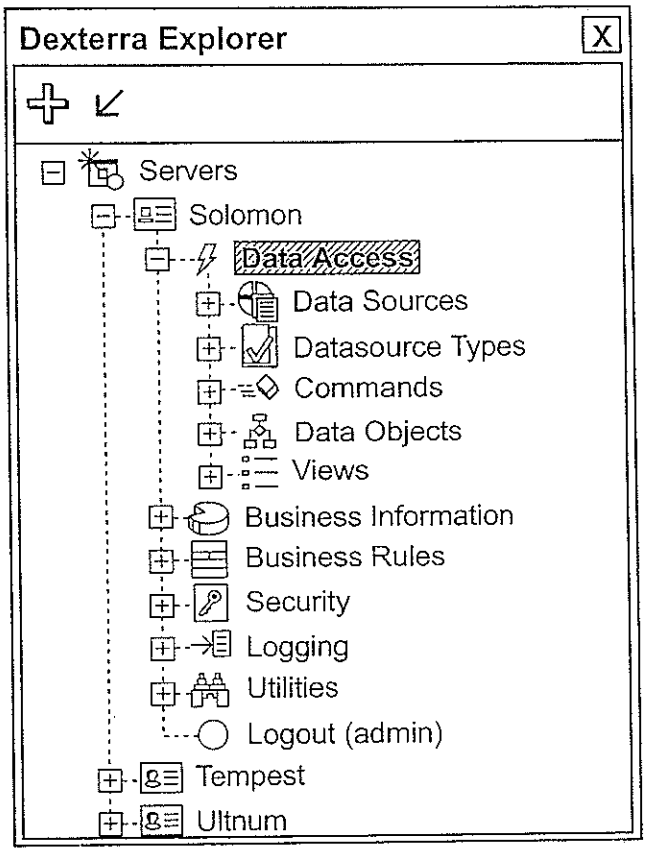

Dexterra Explorer
X
Servers
Solomon
Data Access
Data Sources
Datasource Types
Commands
Data Objects
Views
Business Information
Business Rules
Security
Logging
Utilities
Logout (admin)
Tempest
Ultnum

FIG. 8

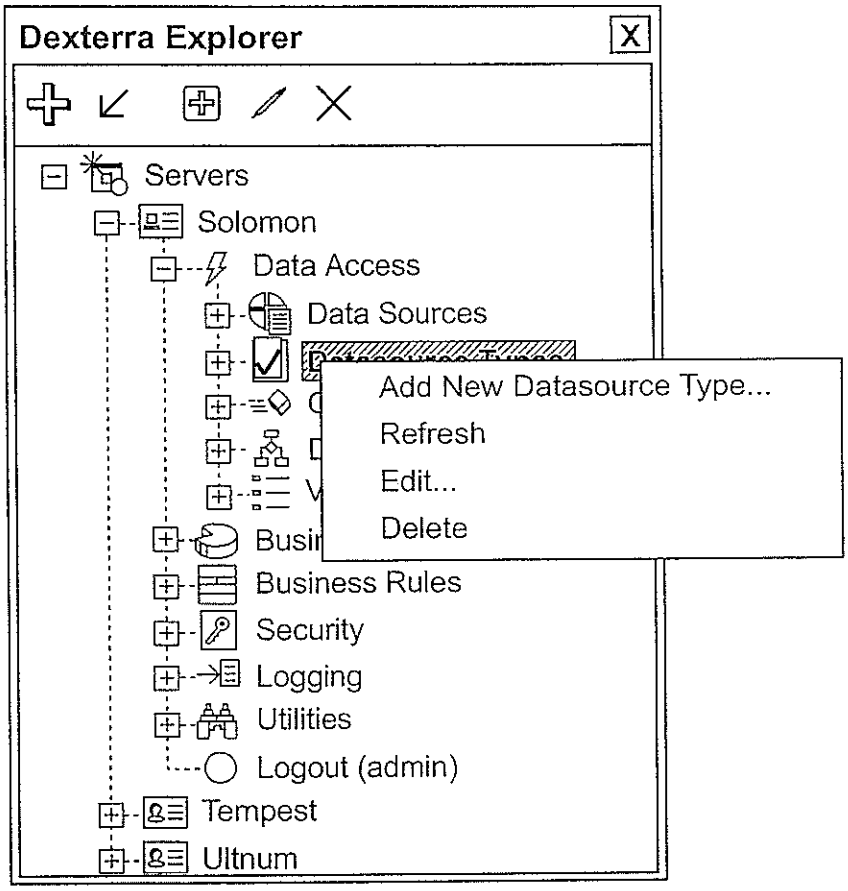

Dexterra Explorer
X
Servers
Solomon
Data Access
Data Sources
Add New Datasource Type...
Refresh
Edit...
Delete
Business Rules
Security
Logging
Utilities
Logout (admin)
Tempest
Ultnum

FIG. 9

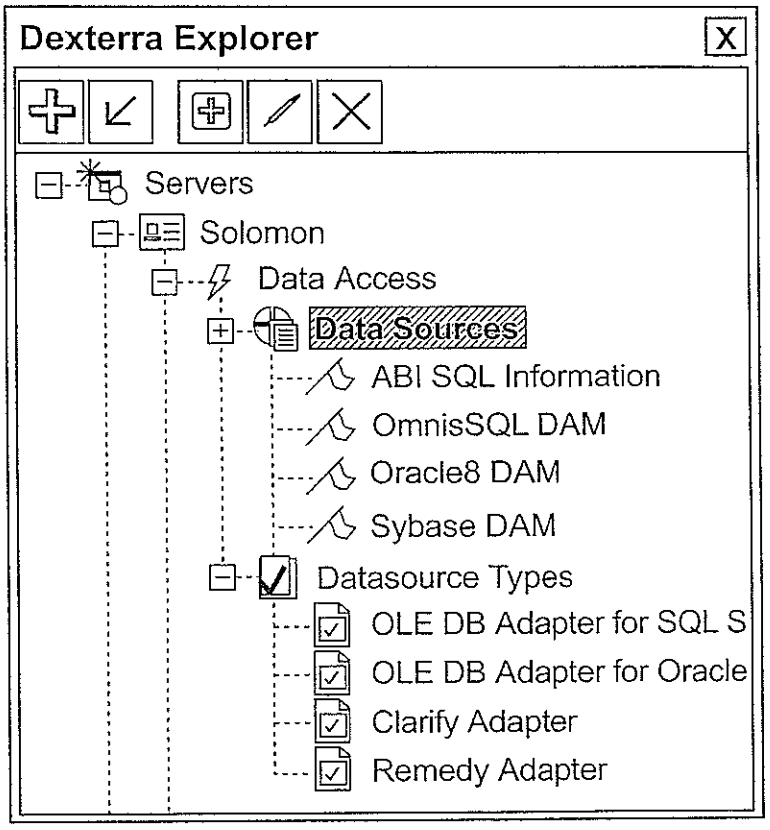

Dexterra Explorer
X
Servers
Solomon
Data Access
Data Sources
ABI SQL Information
OmnisSQL DAM
Oracle8 DAM
Sybase DAM
Datasource Types
OLE DB Adapter for SQL S
OLE DB Adapter for Oracle
Clarify Adapter
Remedy Adapter

FIG. 10

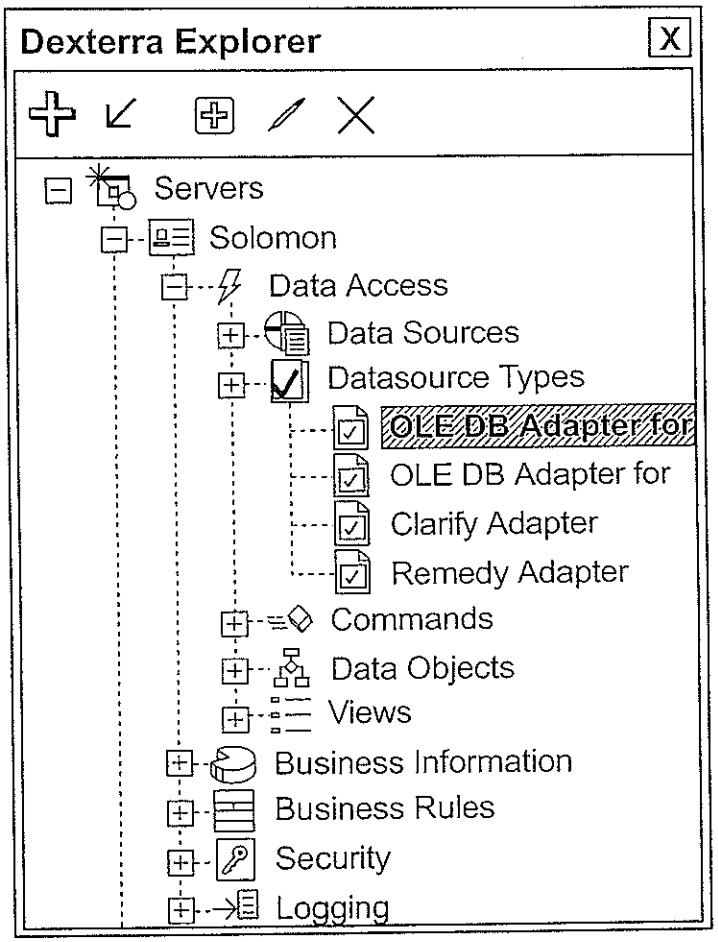

Dexterra Explorer
X
Servers
Solomon
Data Access
Data Sources
Datasource Types
OLE DB Adapter for
OLE DB Adapter for
Clarify Adapter
Remedy Adapter
Commands
Data Objects
Views
Business Information
Business Rules
Security
Logging

FIG. 11

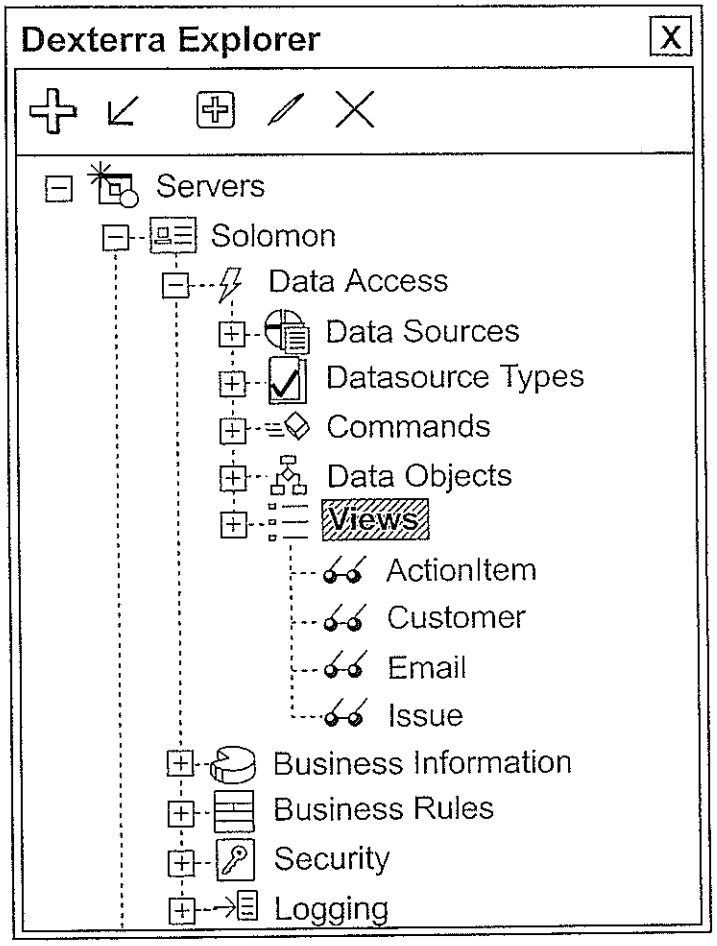

Dexterra Explorer
X
Servers
Solomon
Data Access
Data Sources
Datasource Types
Commands
Data Objects
Views
ActionItem
Customer
Email
Issue
Business Information
Business Rules
Security
Logging

FIG. 12

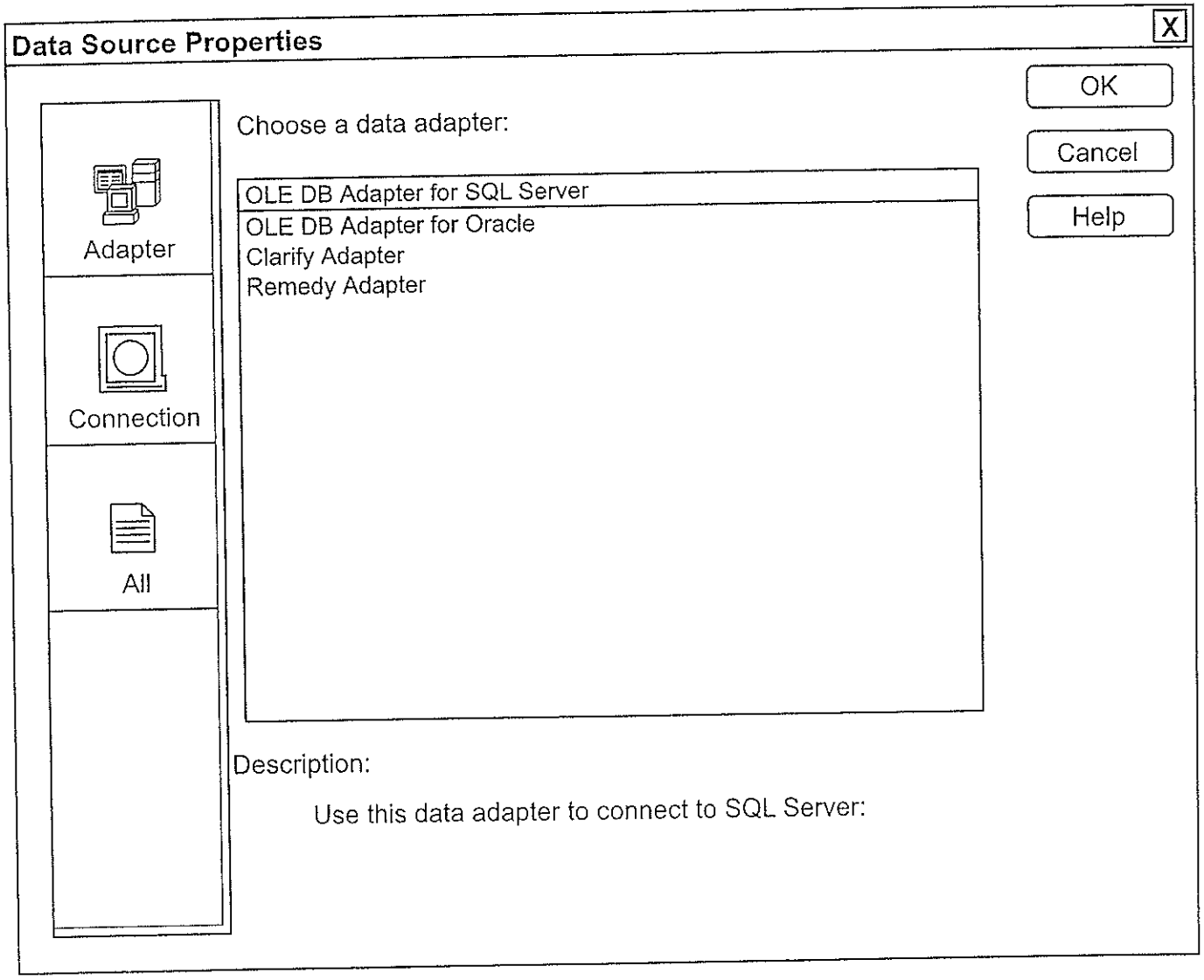

Data Source Properties
X
OK
Cancel
Help
Adapter
Connection
All
Choose a data adapter:
OLE DB Adapter for SQL Server
OLE DB Adapter for Oracle
Clarify Adapter
Remedy Adapter
Description:
Use this data adapter to connect to SQL Server:

FIG. 13

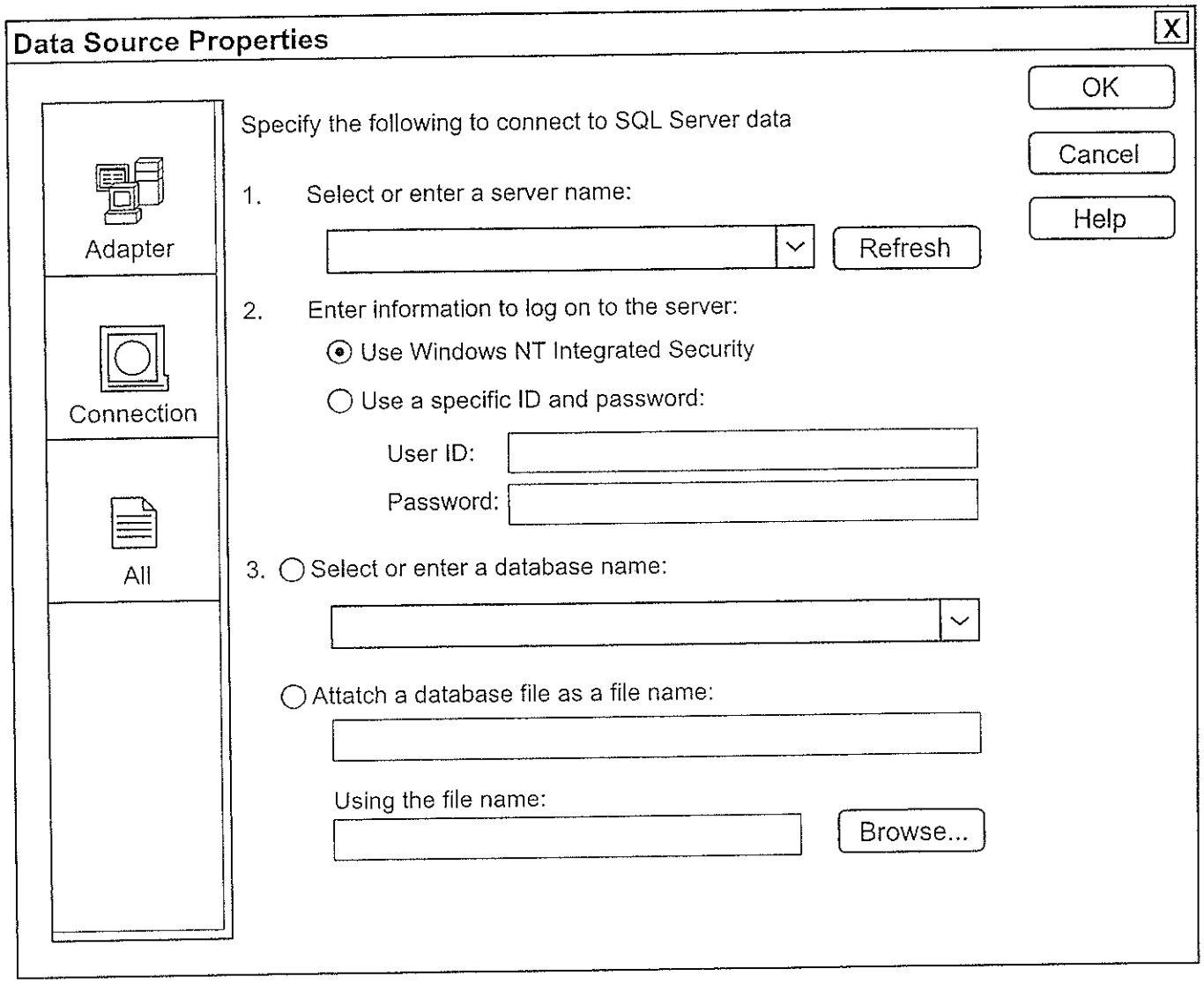

Data Source Properties
X
OK
Cancel
Help
Adapter
Connection
All
Specify the following to connect to SQL Server data
1. Select or enter a server name:
Refresh
2. Enter information to log on to the server:
Use Windows NT Integrated Security
Use a specific ID and password:
User ID:
Password:
3. Select or enter a database name:
Attatch a database file as a file name:
Using the file name:
Browse...

FIG. 14

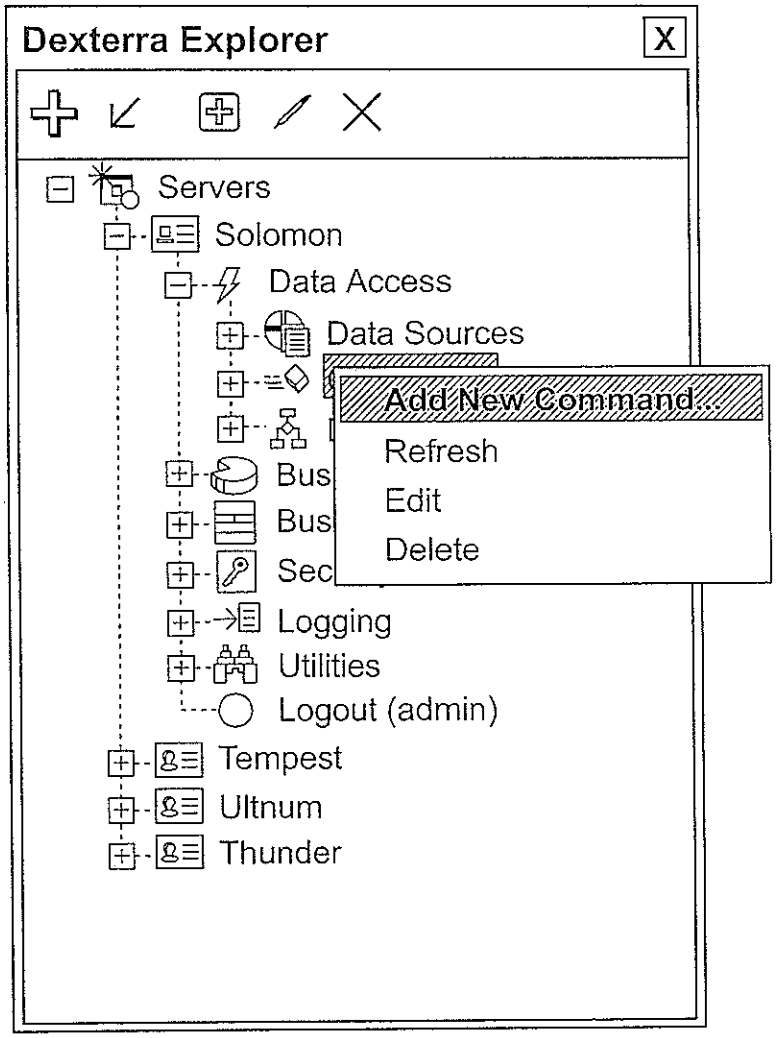

Dexterra Explorer
X
Servers
Solomon
Data Access
Data Sources
Add New Command...
Refresh
Edit
Delete
Logging
Utilities
Logout (admin)
Tempest
Ultnum
Thunder

FIG. 15

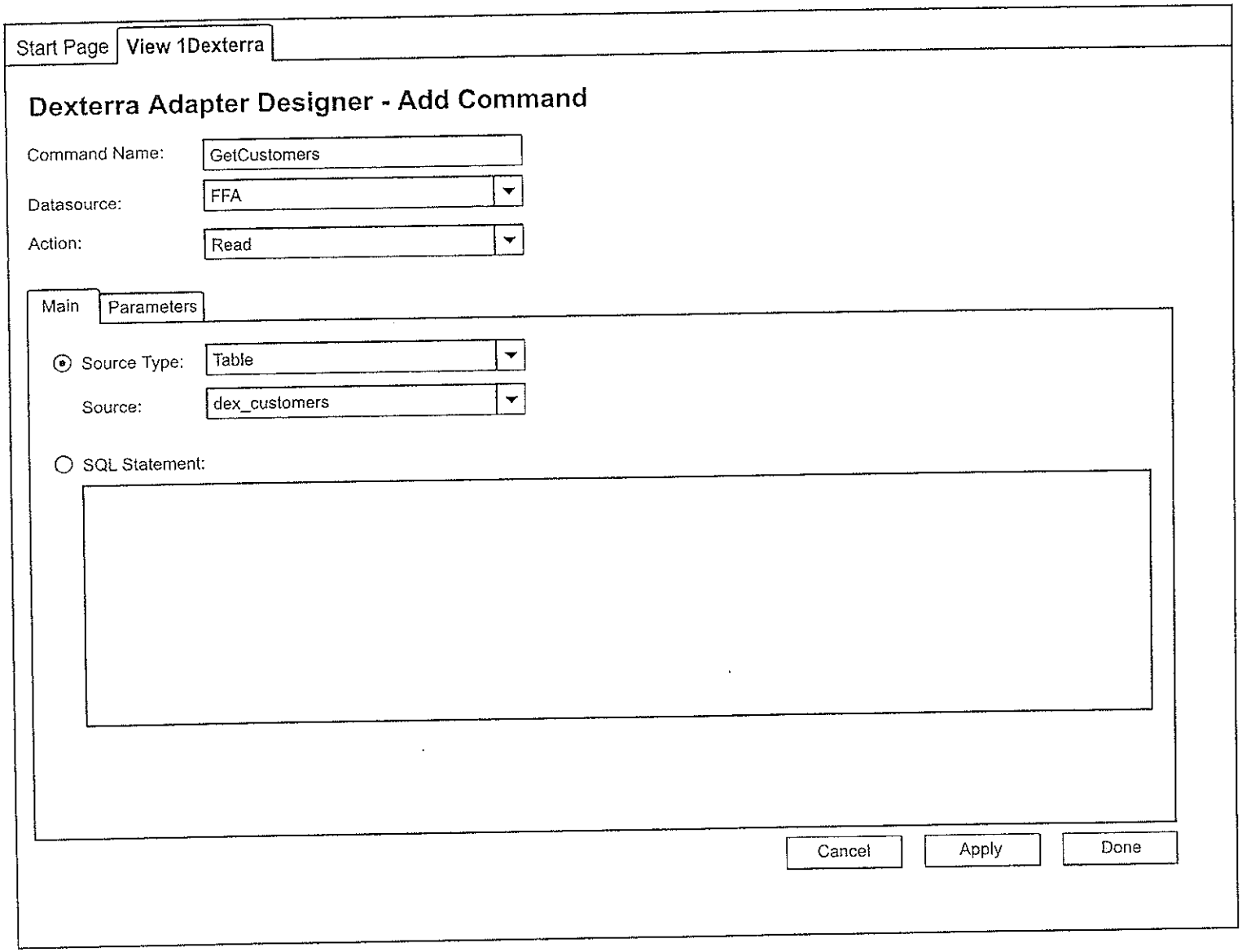

Start Page
View 1Dexterra
Dexterra Adapter Designer - Add Command
Command Name:
GetCustomers
Datasource:
FFA
Action:
Read
Main
Parameters
Source Type:
Table
Source:
dex_customers
SQL Statement:
Cancel
Apply
Done

FIG. 16

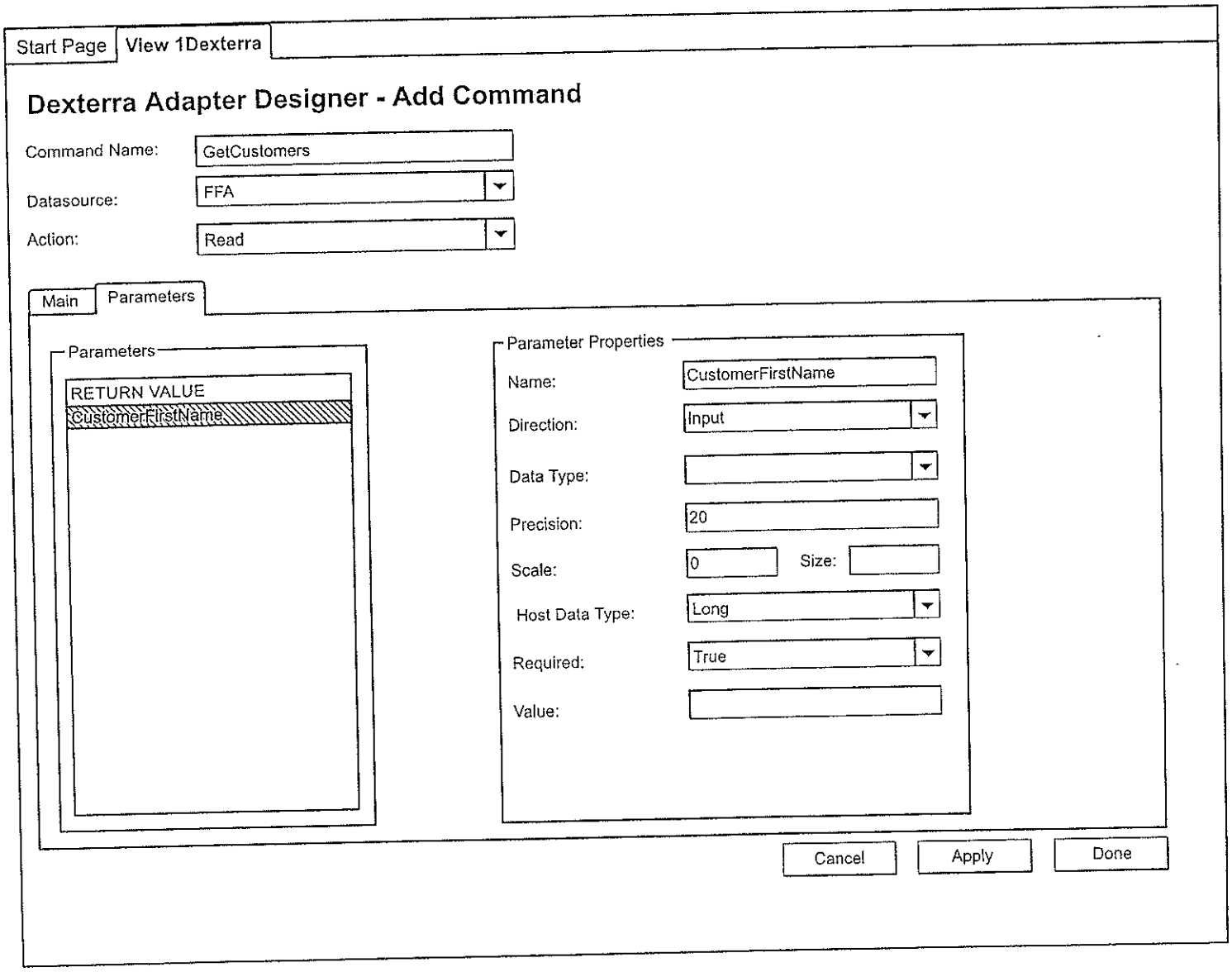

Start Page
View 1Dexterra
Dexterra Adapter Designer - Add Command
Command Name:
GetCustomers
Datasource:
FFA
Action:
Read
Main
Parameters
Parameters
RETURN VALUE
CustomerFirstName
Parameter Properties
Name:
CustomerFirstName
Direction:
Input
Data Type:
Precision:
20
Scale:
0
Size:
Host Data Type:
Long
Required:
True
Value:
Cancel
Apply
Done

FIG. 17

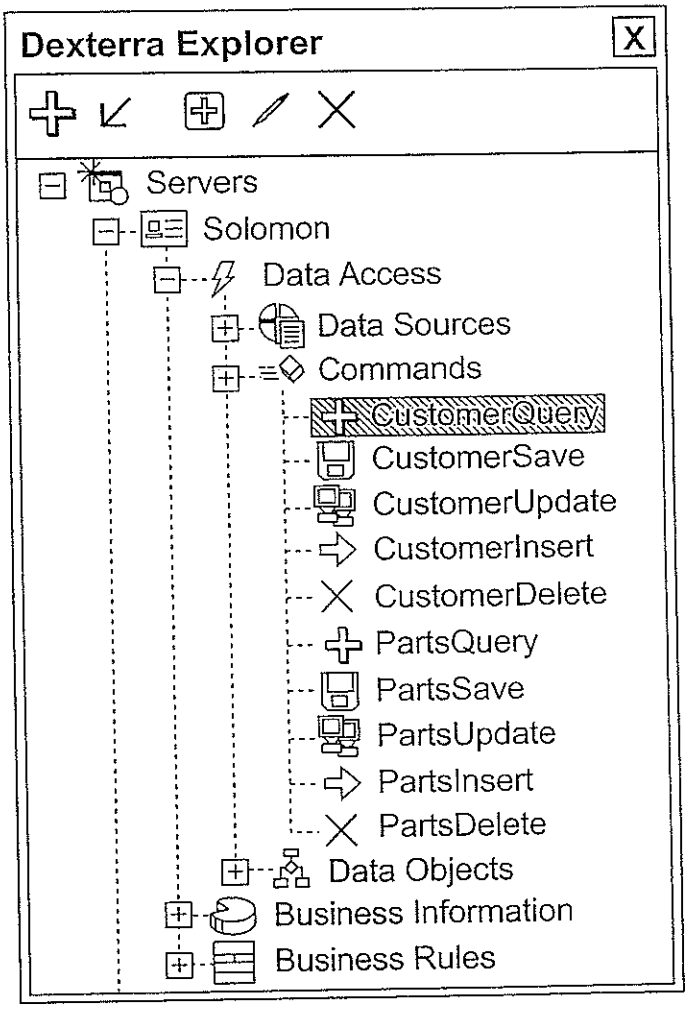

Dexterra Explorer
X
Servers
Solomon
Data Access
Data Sources
Commands
CustomerQuery
CustomerSave
CustomerUpdate
CustomerInsert
CustomerDelete
PartsQuery
PartsSave
PartsUpdate
PartsInsert
PartsDelete
Data Objects
Business Information
Business Rules

FIG. 18

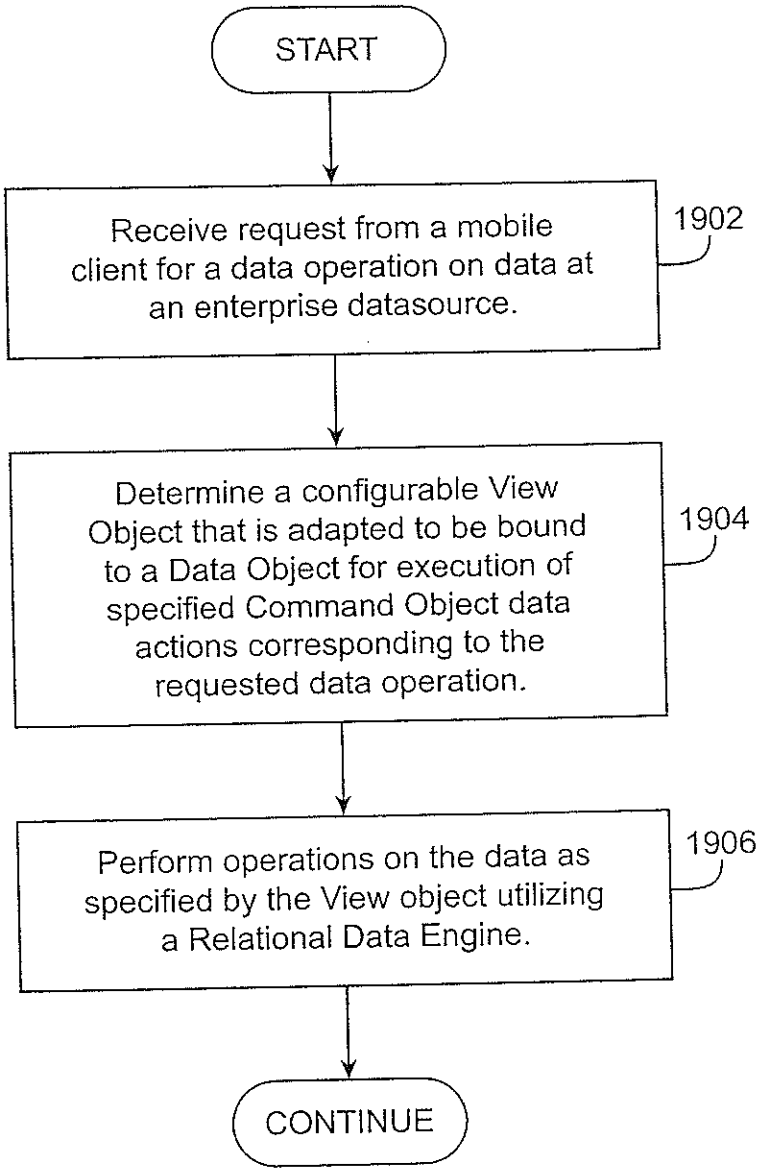

START
Receive request from a mobile client for a data operation on data at an enterprise datasource.
1902
Determine a configurable View Object that is adapted to be bound to a Data Object for execution of specified Command Object data actions corresponding to the requested data operation.
1904
Perform operations on the data as specified by the View object utilizing a Relational Data Engine.
1906
CONTINUE

FIG. 19