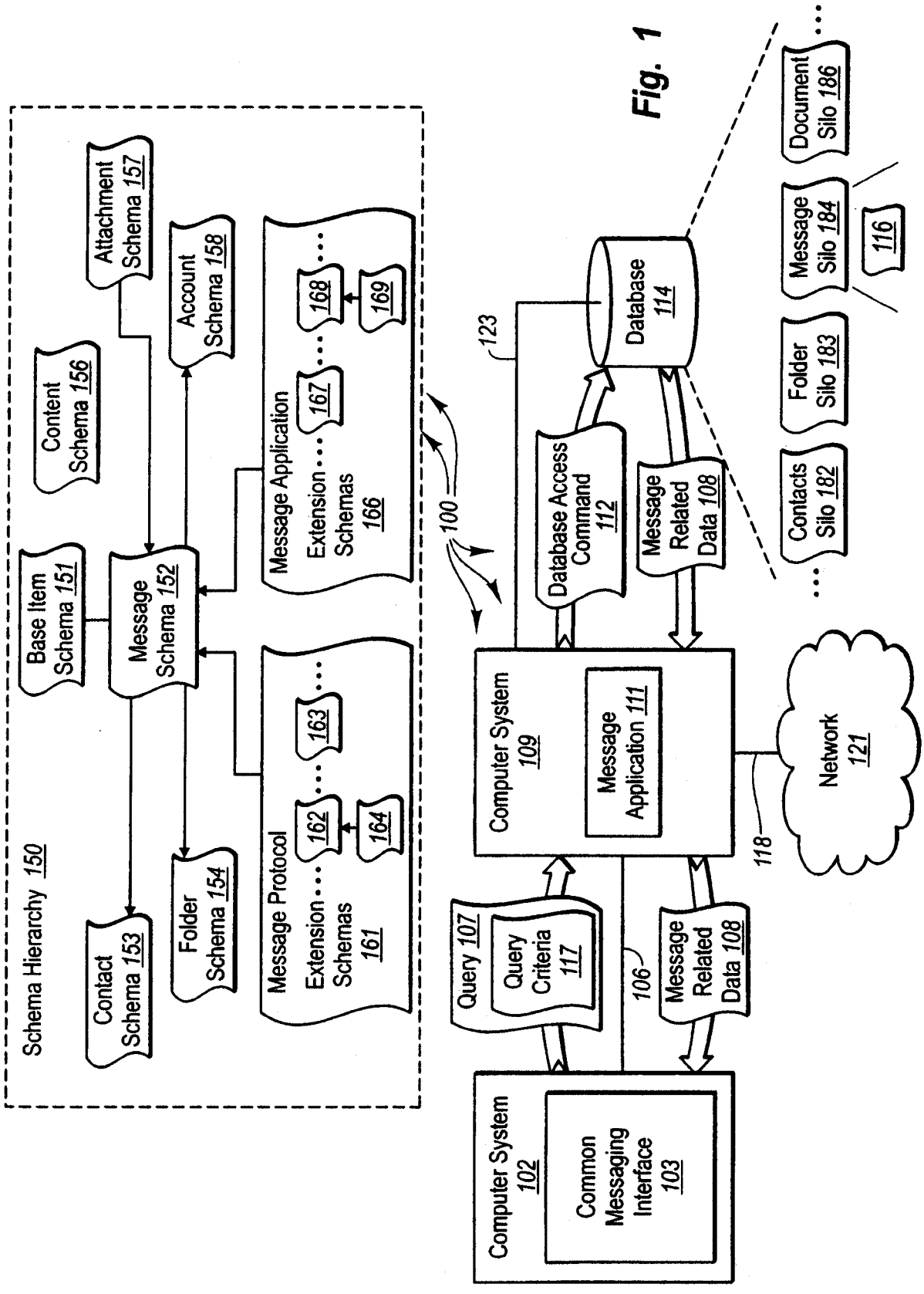

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Fig. 1

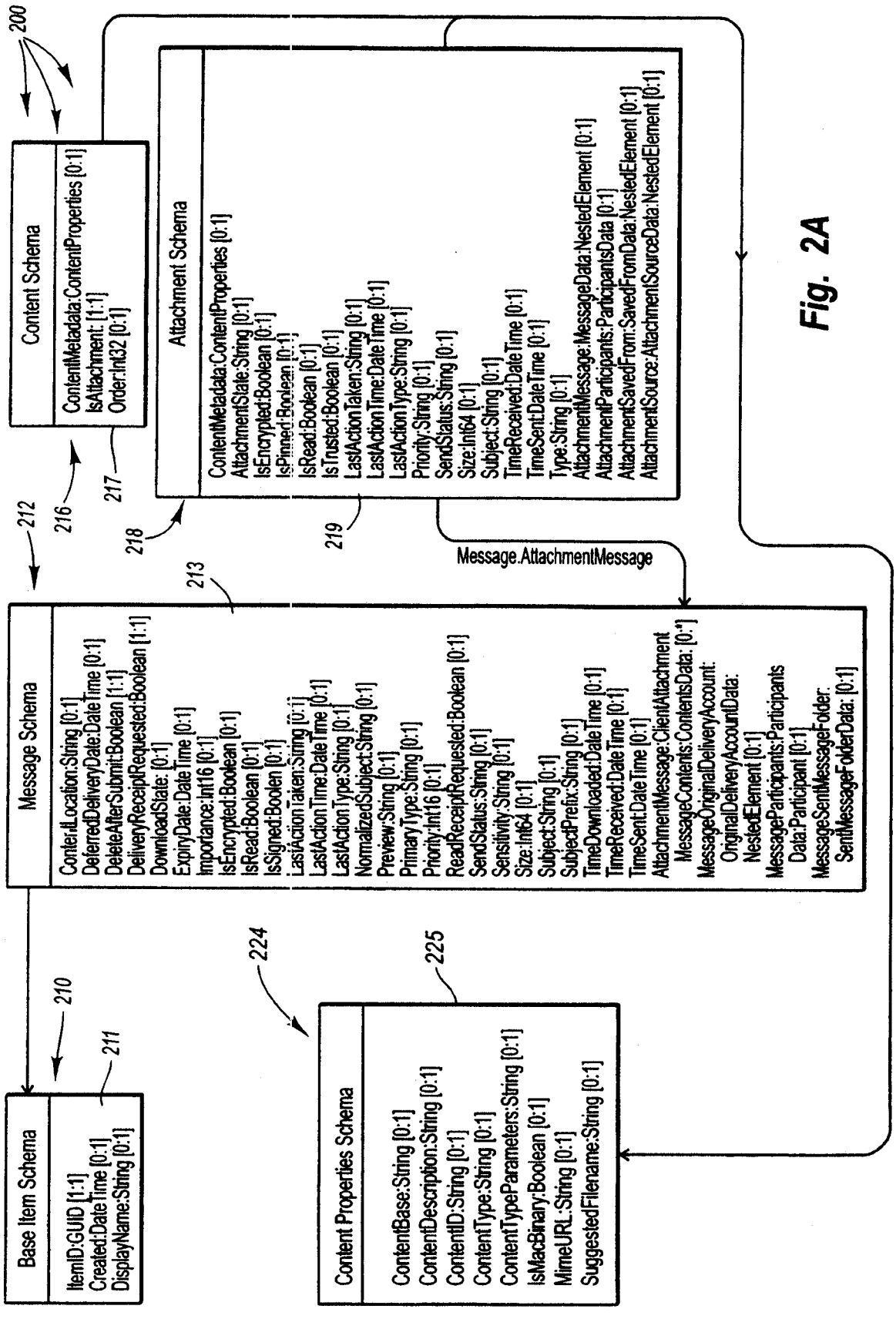

200
Content Schema
ContentMetadata:ContentProperties [0:1]
IsAttachment: [1:1]
Order:Int32 [0:1]
216
217
Attachment Schema
ContentMetadata:ContentProperties [0:1]
AttachmentState:String [0:1]
IsEncrypted:Boolean [0:1]
IsPinned:Boolean [0:1]
IsRead:Boolean [0:1]
IsTrusted:Boolean [0:1]
LastActionTaken:String [0:1]
LastActionTime:DateTime [0:1]
LastActionType:String [0:1]
Priority:String [0:1]
SendStatus:String [0:1]
Size:Int64 [0:1]
Subject:String [0:1]
TimeReceived:DateTime [0:1]
TimeSent:DateTime [0:1]
Type:String [0:1]
AttachmentMessage:MessageData:NestedElement [0:1]
AttachmentParticipants:ParticipantsData [0:1]
AttachmentSavedFrom:SavedFromData:NestedElement [0:1]
AttachmentSource:AttachmentSourceData:NestedElement [0:1]
218
219
212
213
Message.AttachmentMessage
Message Schema
ContentLocation:String [0:1]
DeferredDeliveryDate:DateTime [0:1]
DeleteAfterSubmit:Boolean [1:1]
DeliveryReceiptRequested:Boolean [1:1]
DownloadState: [0:1]
ExpiryDate:DateTime [0:1]
Importance:Int16 [0:1]
IsEncrypted:Boolean [0:1]
IsRead:Boolean [0:1]
IsSigned:Boolen [0:1]
LastActionTaken:String [0:1]
LastActionTime:DateTime [0:1]
LastActionType:String [0:1]
NormalizedSubject:String [0:1]
Preview:String [0:1]
PrimaryType:String [0:1]
Priority:Int16 [0:1]
ReadReceiptRequested:Boolean [0:1]
SendStatus:String [0:1]
Sensitivity:String [0:1]
Size:Int64 [0:1]
Subject:String [0:1]
SubjectPrefix:String [0:1]
TimeDownloaded:DateTime [0:1]
TimeReceived:DateTime [0:1]
TimeSent:DateTime [0:1]
AttachmentMessage:ClientAttachment
MessageContents:ContentsData: [0:*]
MessageOriginalDeliveryAccount:
OriginalDeliveryAccountData:
NestedElement [0:1]
MessageParticipants:Participants
Data:Participant [0:1]
MessageSentMessageFolder:
SentMessageFolderData: [0:1]
210
211
Base Item Schema
ItemID:GUID [1:1]
Created:DateTime [0:1]
DisplayName:String [0:1]
224
225
Content Properties Schema
ContentBase:String [0:1]
ContentDescription:String [0:1]
ContentID:String [0:1]
ContentType:String [0:1]
ContentTypeParameters:String [0:1]
IsMacBinary:Boolean [0:1]
MimeURL:String [0:1]
SuggestedFilename:String [0:1]

Fig. 2A

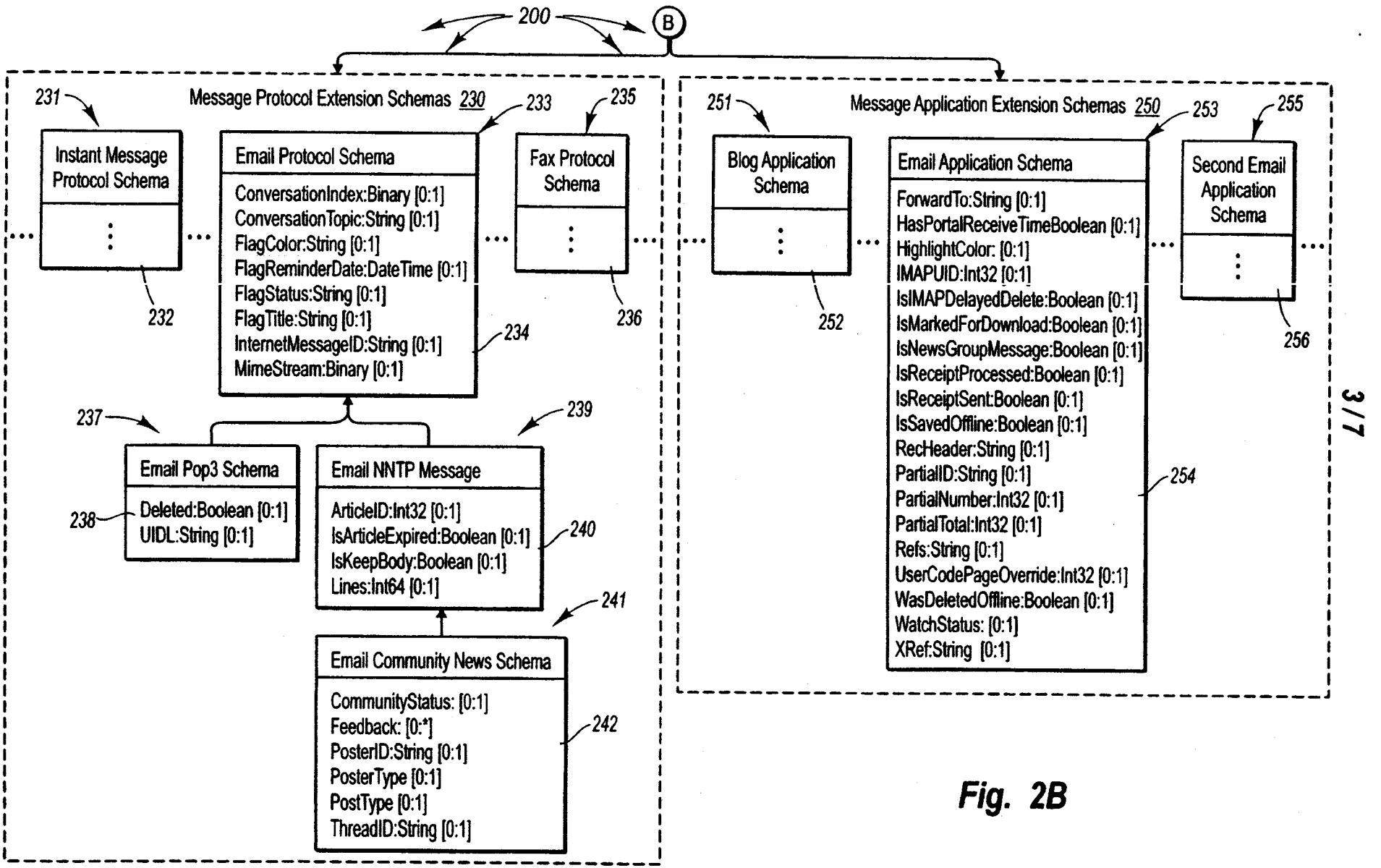

200
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231
Message Protocol Extension Schemas 230
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Instant Message Protocol Schema
Email Protocol Schema
ConversationIndex:Binary [0:1]
ConversationTopic:String [0:1]
FlagColor:String [0:1]
FlagReminderDate:DateTime [0:1]
FlagStatus:String [0:1]
FlagTitle:String [0:1]
InternetMessageID:String [0:1]
MimeStream:Binary [0:1]
Fax Protocol Schema
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Email Pop3 Schema
Deleted:Boolean [0:1]
UIDL:String [0:1]
238
Email NNTP Message
ArticleID:Int32 [0:1]
IsArticleExpired:Boolean [0:1]
IsKeepBody:Boolean [0:1]
Lines:Int64 [0:1]
240
241
Email Community News Schema
CommunityStatus: [0:1]
Feedback: [0:*]
PosterID:String [0:1]
PosterType [0:1]
PostType [0:1]
ThreadID:String [0:1]
242
251
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255
Blog Application Schema
Email Application Schema
ForwardTo:String [0:1]
HasPortalReceiveTimeBoolean [0:1]
HighlightColor: [0:1]
IMAPUID:Int32 [0:1]
IsIMAPDelayedDelete:Boolean [0:1]
IsMarkedForDownload:Boolean [0:1]
IsNewsGroupMessage:Boolean [0:1]
IsReceiptProcessed:Boolean [0:1]
IsReceiptSent:Boolean [0:1]
IsSavedOffline:Boolean [0:1]
RecHeader:String [0:1]
PartialID:String [0:1]
PartialNumber:Int32 [0:1]
PartialTotal:Int32 [0:1]
Refs:String [0:1]
UserCodePageOverride:Int32 [0:1]
WasDeletedOffline:Boolean [0:1]
WatchStatus: [0:1]
XRef:String [0:1]
Second Email Application Schema
252
254
256

Fig. 2B

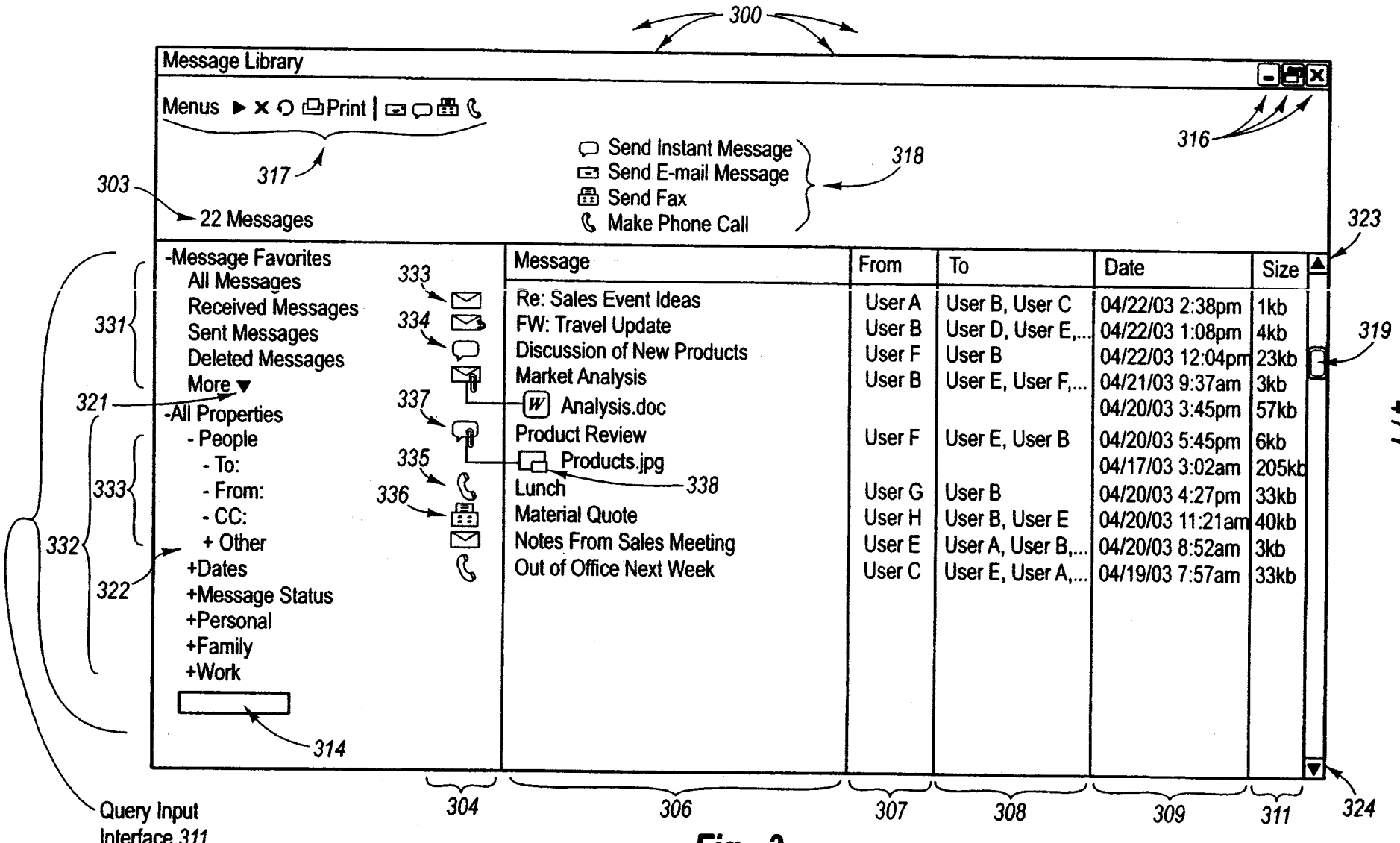

300
Message Library
Menus
Print
317
316
Send Instant Message
Send E-mail Message
Send Fax
Make Phone Call
318
303
22 Messages
323
-Message Favorites
All Messages
Received Messages
Sent Messages
Deleted Messages
More
331
321
-All Properties
- People
- To:
- From:
- CC:
+ Other
+Dates
+Message Status
+Personal
+Family
+Work
333
332
322
314
333
334
337
335
336
338
Message
From
To
Date
Size
Re: Sales Event Ideas
User A
User B, User C
04/22/03 2:38pm
1kb
FW: Travel Update
User B
User D, User E,...
04/22/03 1:08pm
4kb
Discussion of New Products
User F
User B
04/22/03 12:04pm
23kb
Market Analysis
User B
User E, User F,...
04/21/03 9:37am
3kb
Analysis.doc
04/20/03 3:45pm
57kb
Product Review
User F
User E, User B
04/20/03 5:45pm
6kb
Products.jpg
04/17/03 3:02am
205kb
Lunch
User G
User B
04/20/03 4:27pm
33kb
Material Quote
User H
User B, User E
04/20/03 11:21am
40kb
Notes From Sales Meeting
User E
User A, User B,...
04/20/03 8:52am
3kb
Out of Office Next Week
User C
User E, User A,...
04/19/03 7:57am
33kb
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Query Input Interface 311
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Fig. 3

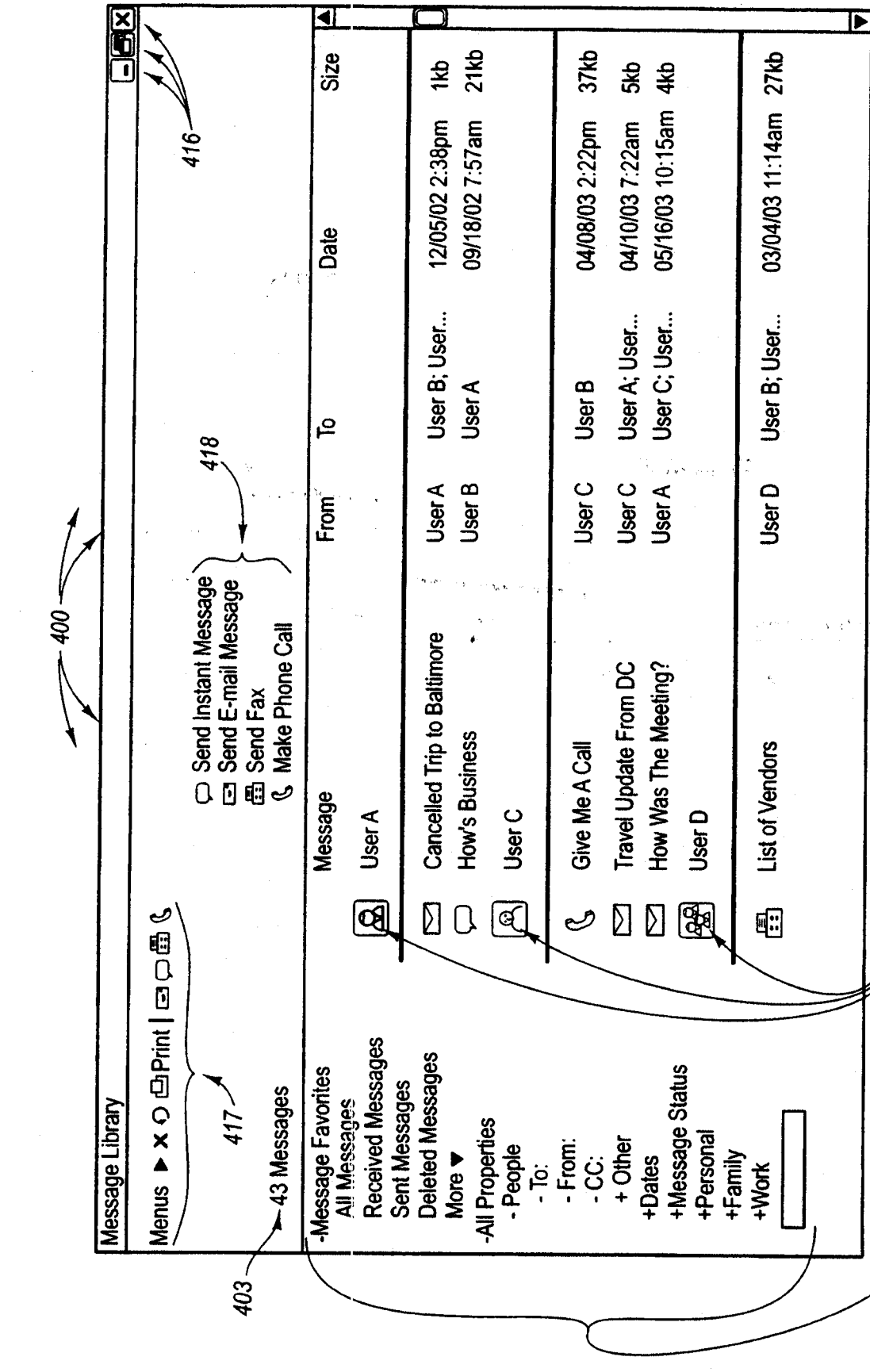

Message Library
Menus
Print
Send Instant Message
Send E-mail Message
Send Fax
Make Phone Call
43 Messages
-Message Favorites
All Messages
Received Messages
Sent Messages
Deleted Messages
More
-All Properties
- People
- To:
- From:
- CC:
+ Other
+Dates
+Message Status
+Personal
+Family
+Work
Message
From
To
Date
Size
User A
Cancelled Trip to Baltimore
User A
User B; User...
12/05/02 2:38pm
1kb
How's Business
User B
User A
09/18/02 7:57am
21kb
User C
Give Me A Call
User C
User B
04/08/03 2:22pm
37kb
Travel Update From DC
User C
User A; User...
04/10/03 7:22am
5kb
How Was The Meeting?
User A
User C; User...
05/16/03 10:15am
4kb
User D
List of Vendors
User D
User B; User...
03/04/03 11:14am
27kb
400
403
416
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Fig. 4

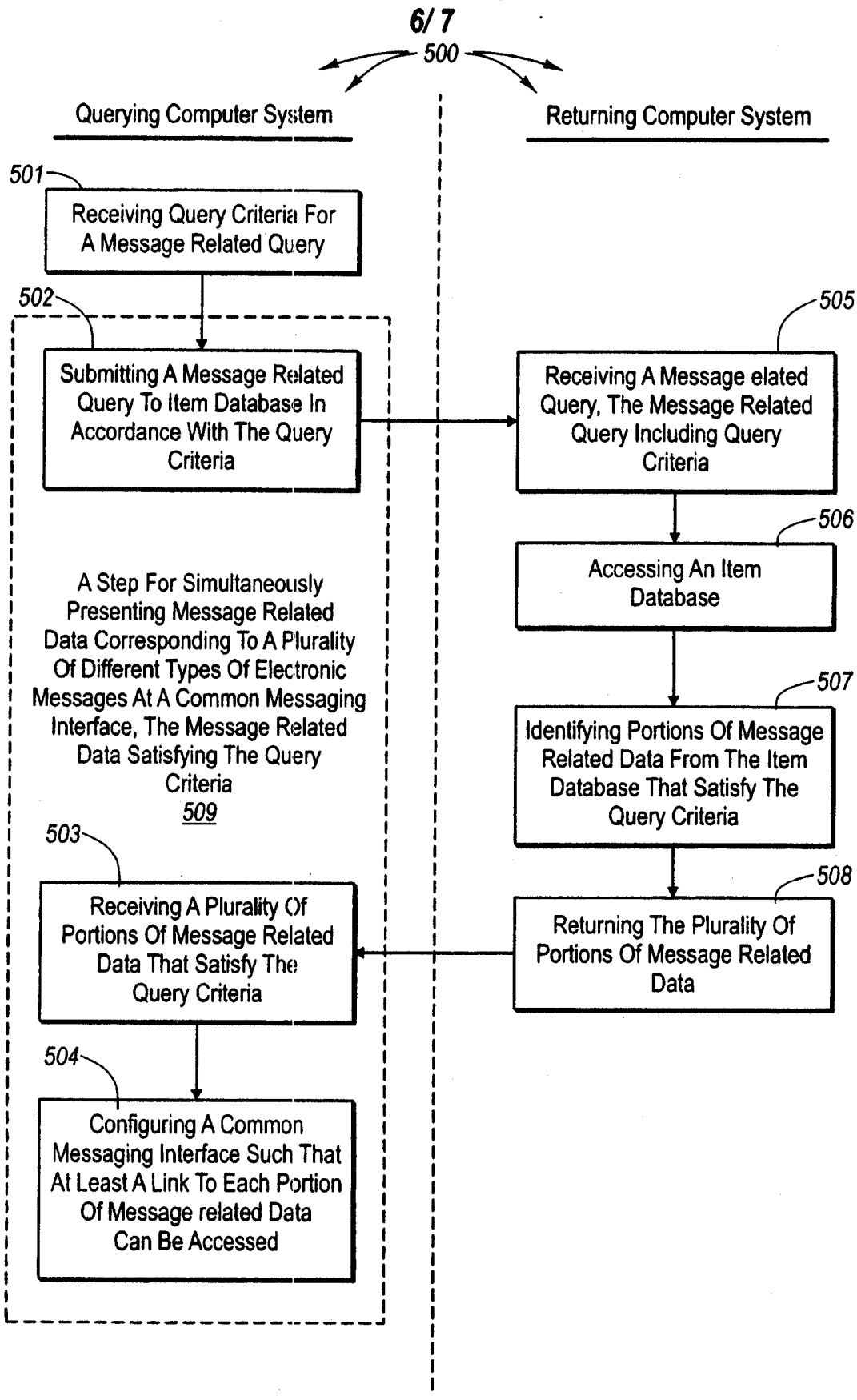

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Querying Computer System
Returning Computer System
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Receiving Query Criteria For A Message Related Query
502
Submitting A Message Related Query To Item Database In Accordance With The Query Criteria
505
Receiving A Message elated Query, The Message Related Query Including Query Criteria
506
Accessing An Item Database
507
Identifying Portions Of Message Related Data From The Item Database That Satisfy The Query Criteria
508
Returning The Plurality Of Portions Of Message Related Data
A Step For Simultaneously Presenting Message Related Data Corresponding To A Plurality Of Different Types Of Electronic Messages At A Common Messaging Interface, The Message Related Data Satisfying The Query Criteria
509
503
Receiving A Plurality Of Portions Of Message Related Data That Satisfy The Query Criteria
504
Configuring A Common Messaging Interface Such That At Least A Link To Each Portion Of Message related Data Can Be Accessed

*Fig. 5*

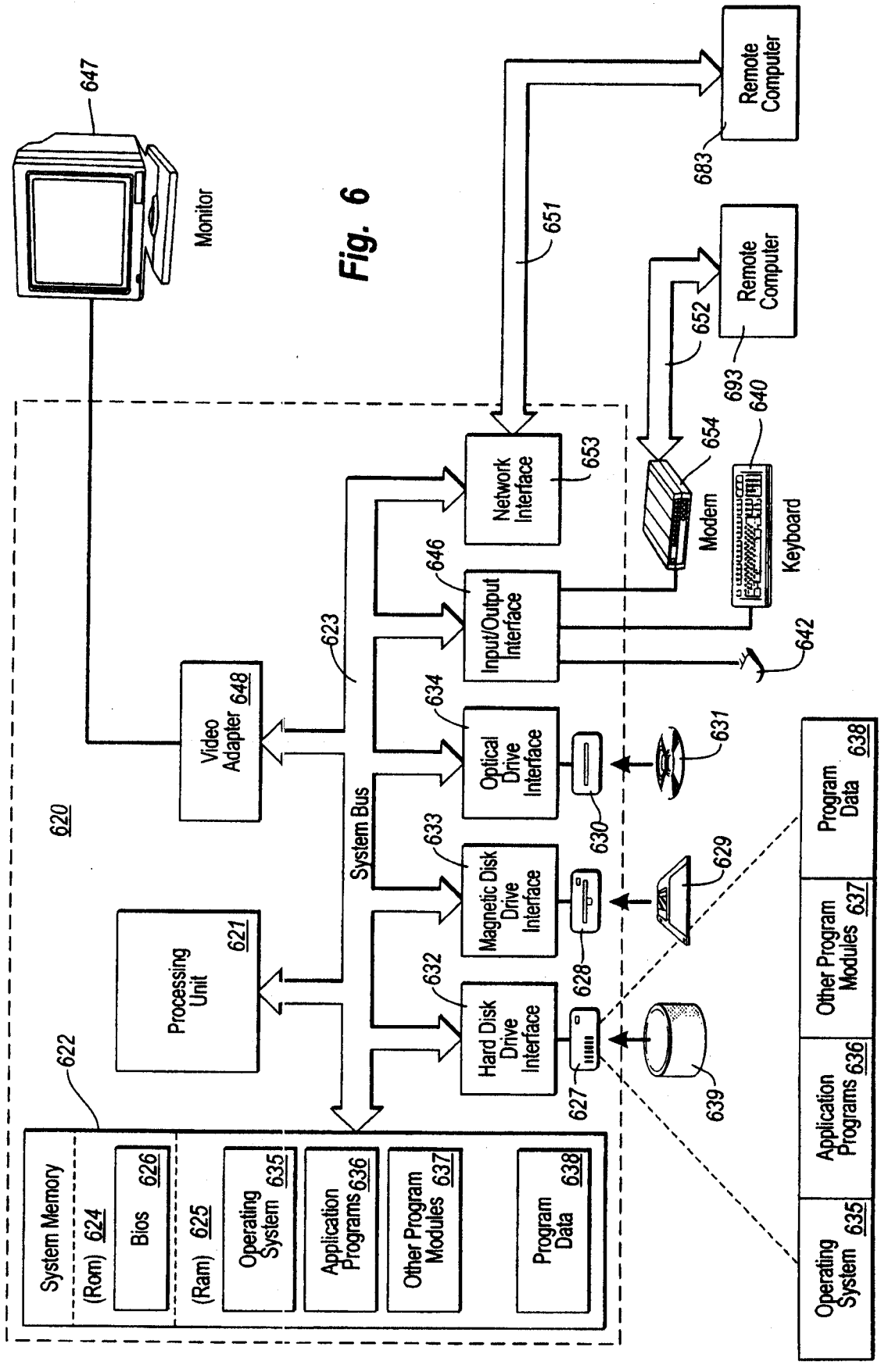

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Monitor
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Fig. 6