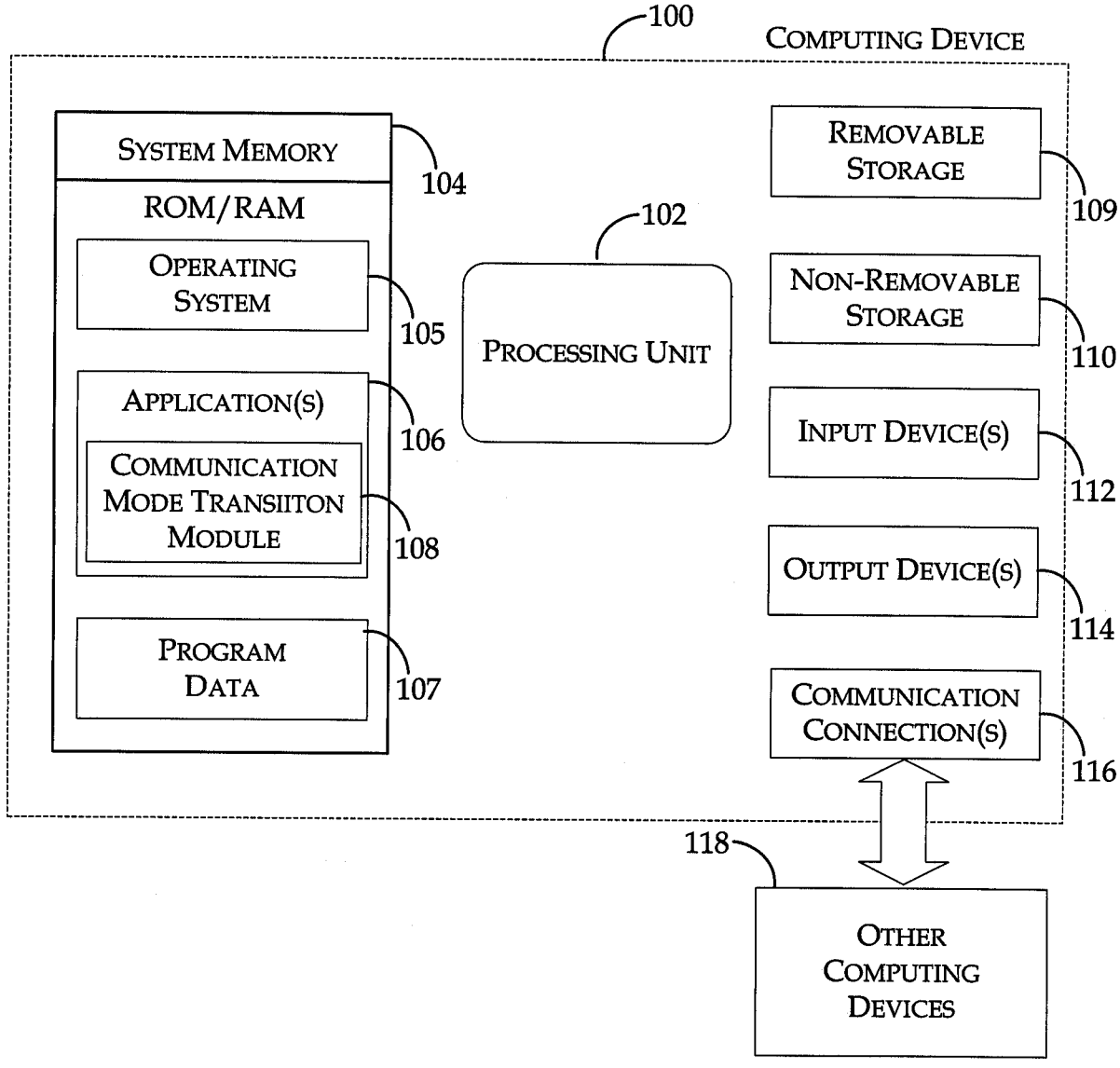

100
COMPUTING DEVICE
SYSTEM MEMORY
104
ROM/RAM
OPERATING SYSTEM
105
APPLICATION(S)
106
COMMUNICATION MODE TRANSIITON MODULE
108
PROGRAM DATA
107
102
PROCESSING UNIT
REMOVABLE STORAGE
109
NON-REMOVABLE STORAGE
110
INPUT DEVICE(S)
112
OUTPUT DEVICE(S)
114
COMMUNICATION CONNECTION(S)
116
118
OTHER COMPUTING DEVICES

Fig. 1

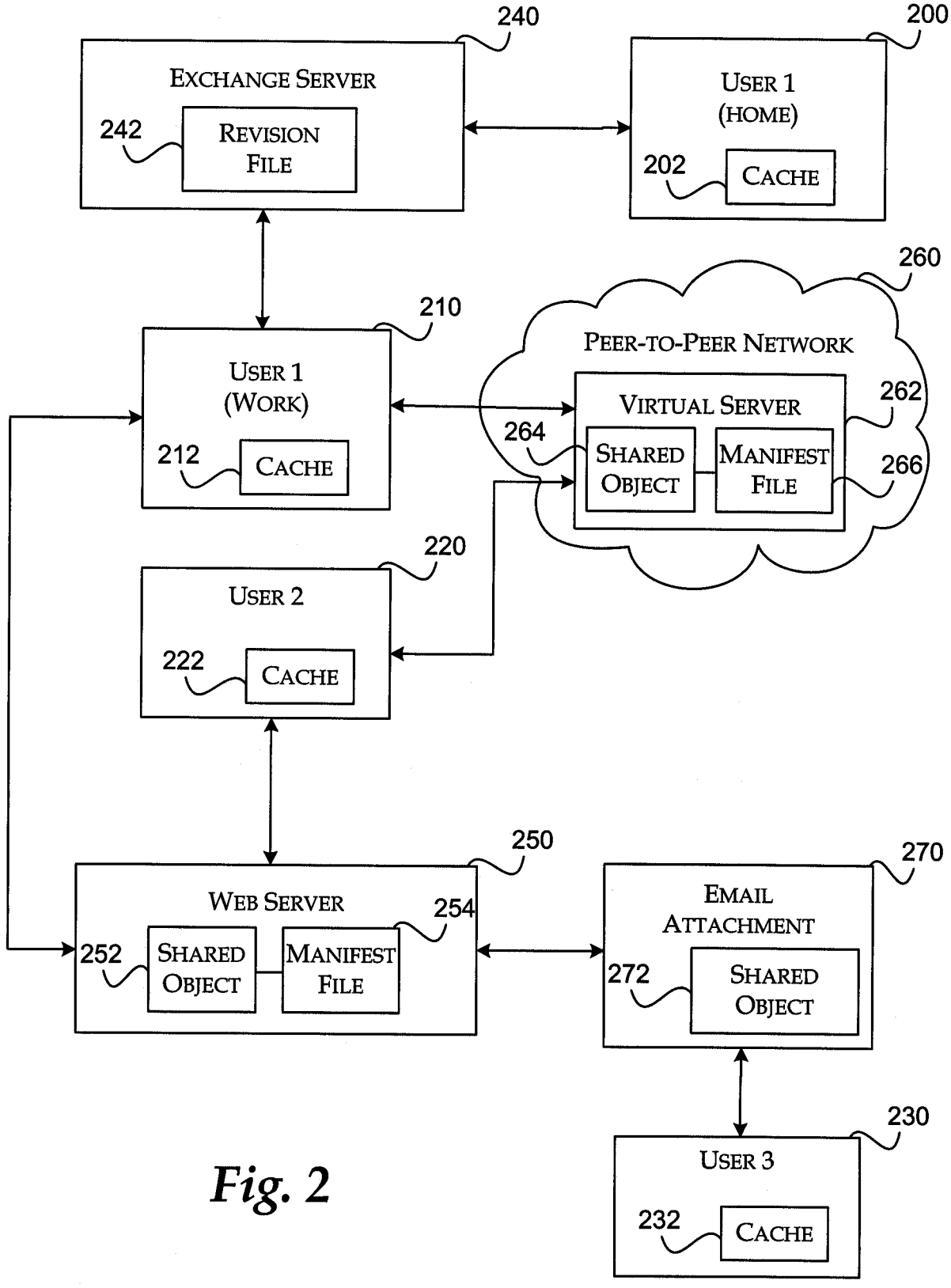

240
EXCHANGE SERVER
242
REVISION FILE
200
USER 1 (HOME)
202
CACHE
260
PEER-TO-PEER NETWORK
210
USER 1 (WORK)
212
CACHE
VIRTUAL SERVER
262
264
SHARED OBJECT
MANIFEST FILE
266
220
USER 2
222
CACHE
250
WEB SERVER
254
252
SHARED OBJECT
MANIFEST FILE
270
EMAIL ATTACHMENT
272
SHARED OBJECT
230
USER 3
232
CACHE

Fig. 2

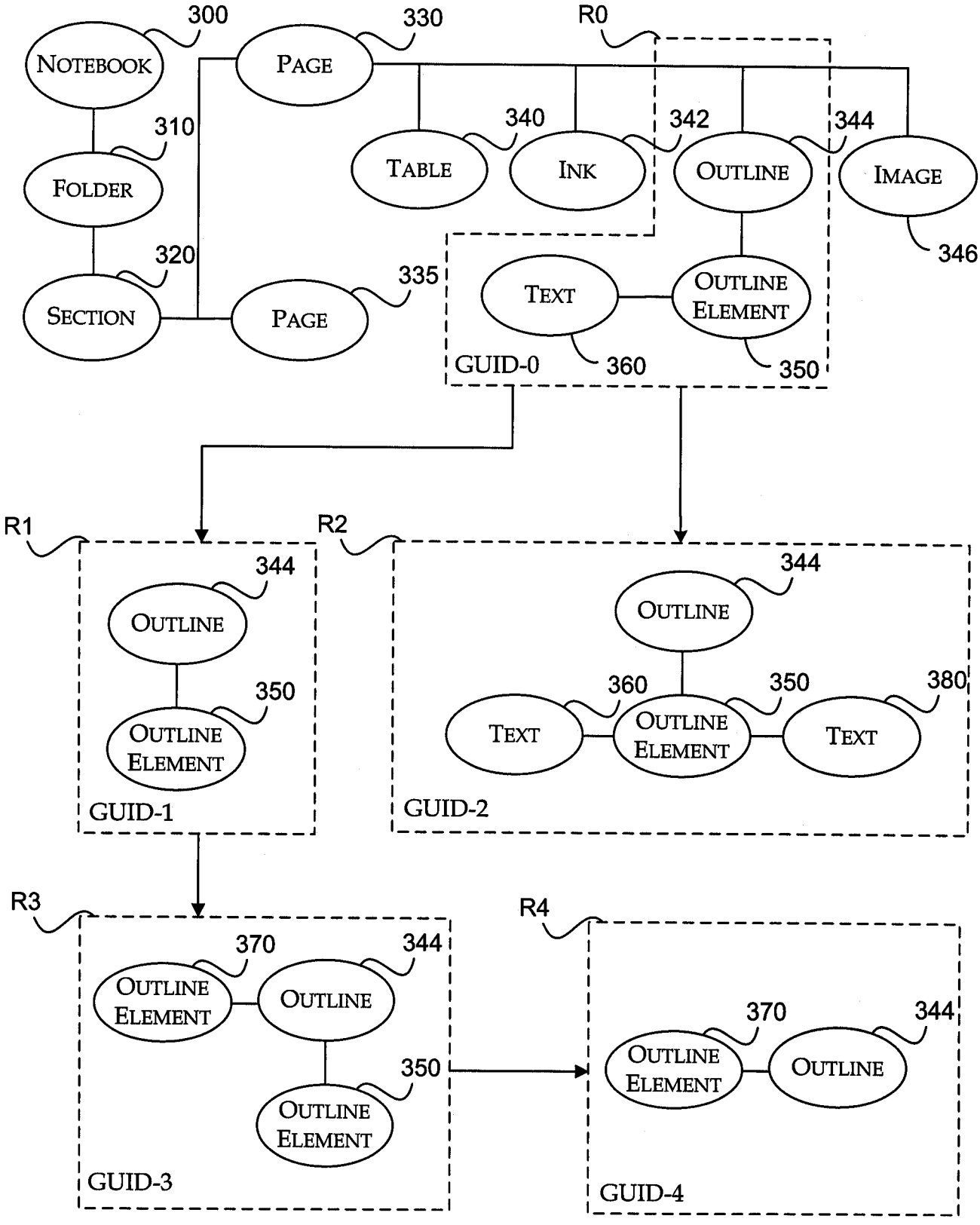

300
NOTEBOOK
330
PAGE
R0
310
FOLDER
340
TABLE
342
INK
344
OUTLINE
IMAGE
346
320
SECTION
335
PAGE
TEXT
OUTLINE ELEMENT
GUID-0
360
350
R1
R2
344
OUTLINE
350
OUTLINE ELEMENT
GUID-1
344
OUTLINE
360
350
380
TEXT
OUTLINE ELEMENT
TEXT
GUID-2
R3
R4
370
344
OUTLINE ELEMENT
OUTLINE
350
OUTLINE ELEMENT
GUID-3
370
344
OUTLINE ELEMENT
OUTLINE
GUID-4

Fig. 3

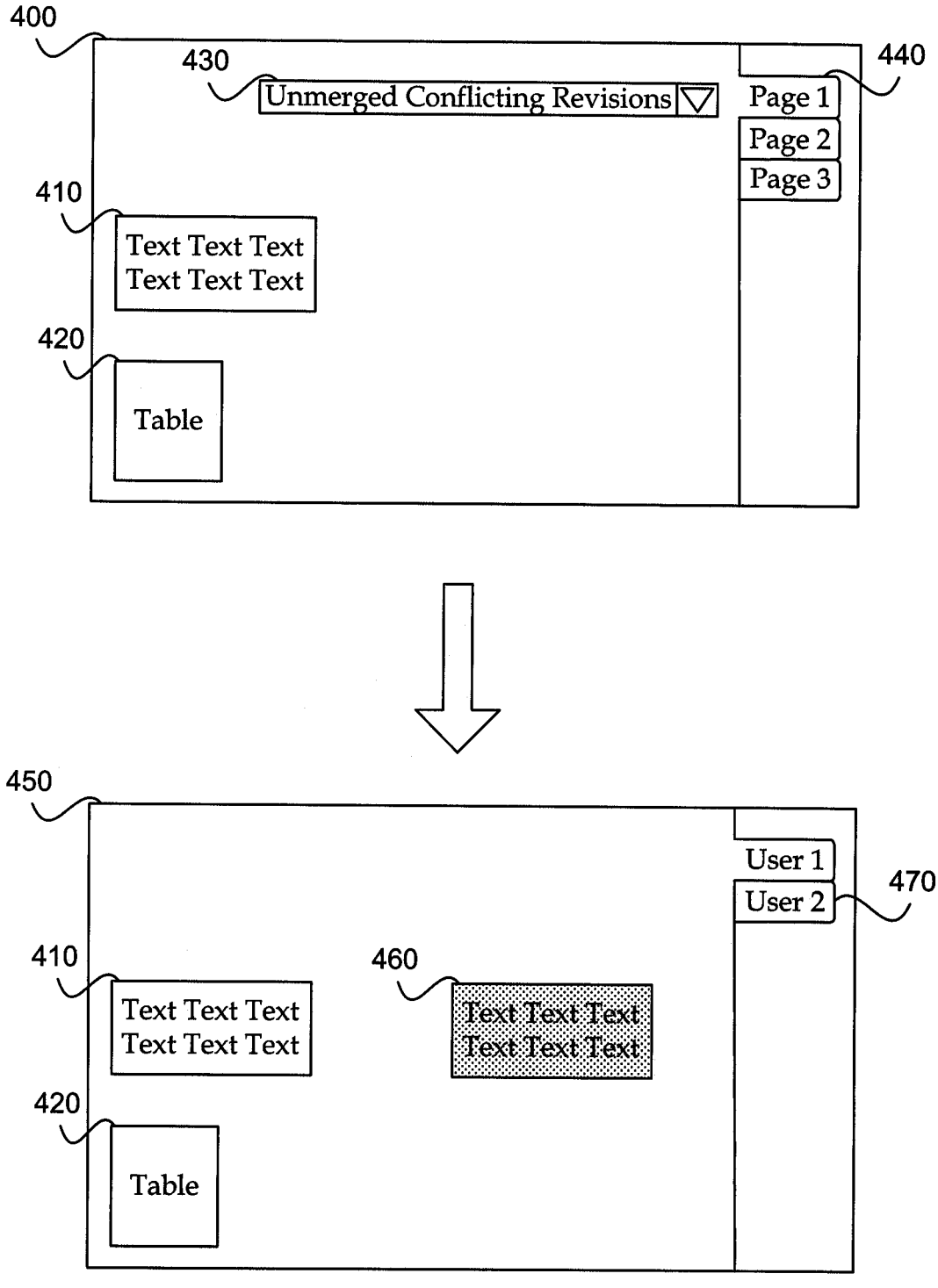

400
430
Unmerged Conflicting Revisions
440
Page 1
Page 2
Page 3
410
Text Text Text
Text Text Text
420
Table
450
User 1
User 2
470
410
460
Text Text Text
Text Text Text
Text Text Text
Text Text Text
420
Table

Fig. 4

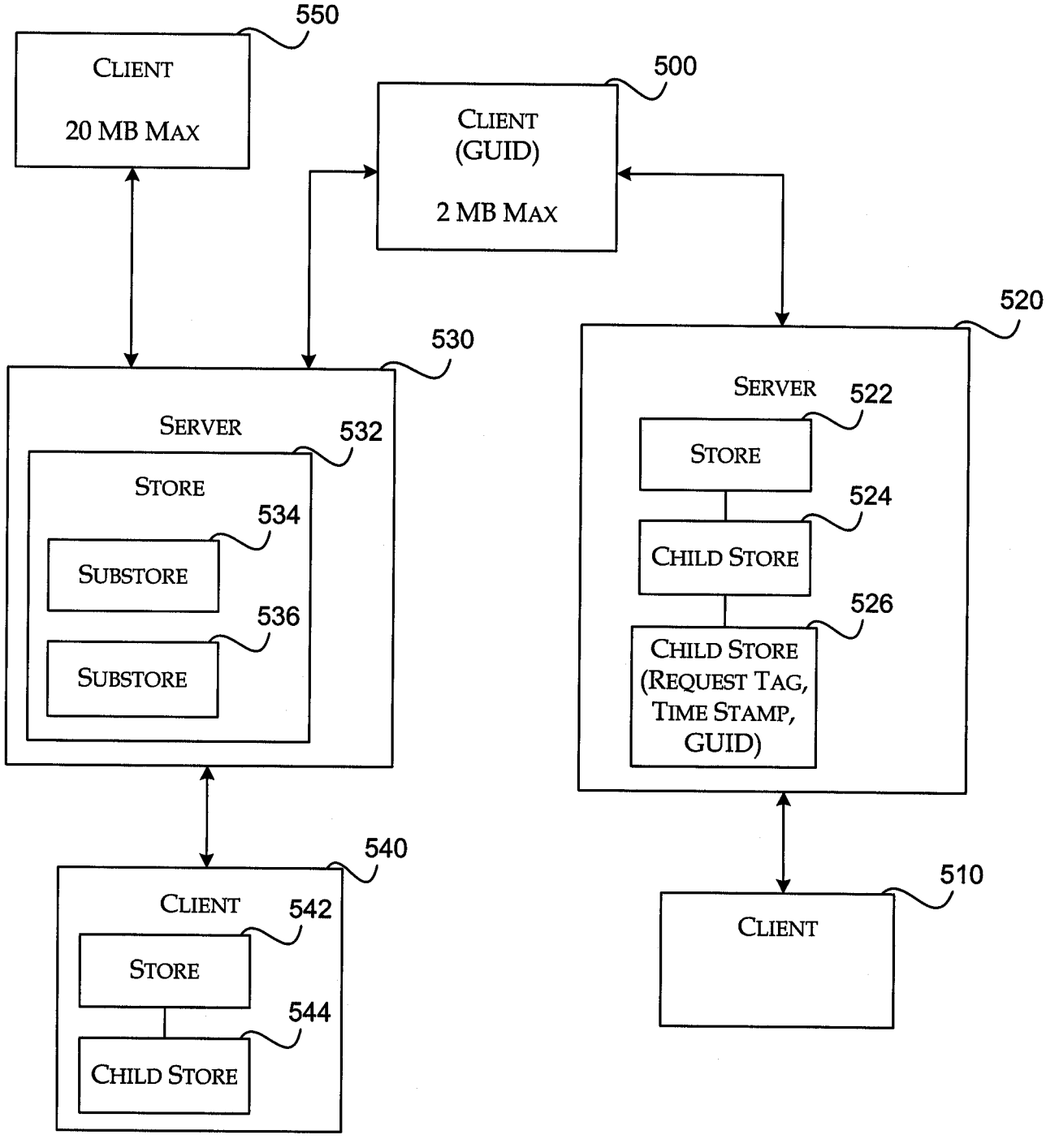

550
CLIENT
20 MB MAX
500
CLIENT
(GUID)
2 MB MAX
520
530
SERVER
532
STORE
534
SUBSTORE
536
SUBSTORE
SERVER
522
STORE
524
CHILD STORE
526
CHILD STORE
(REQUEST TAG,
TIME STAMP,
GUID)
540
CLIENT
542
STORE
544
CHILD STORE
510
CLIENT

Fig. 5

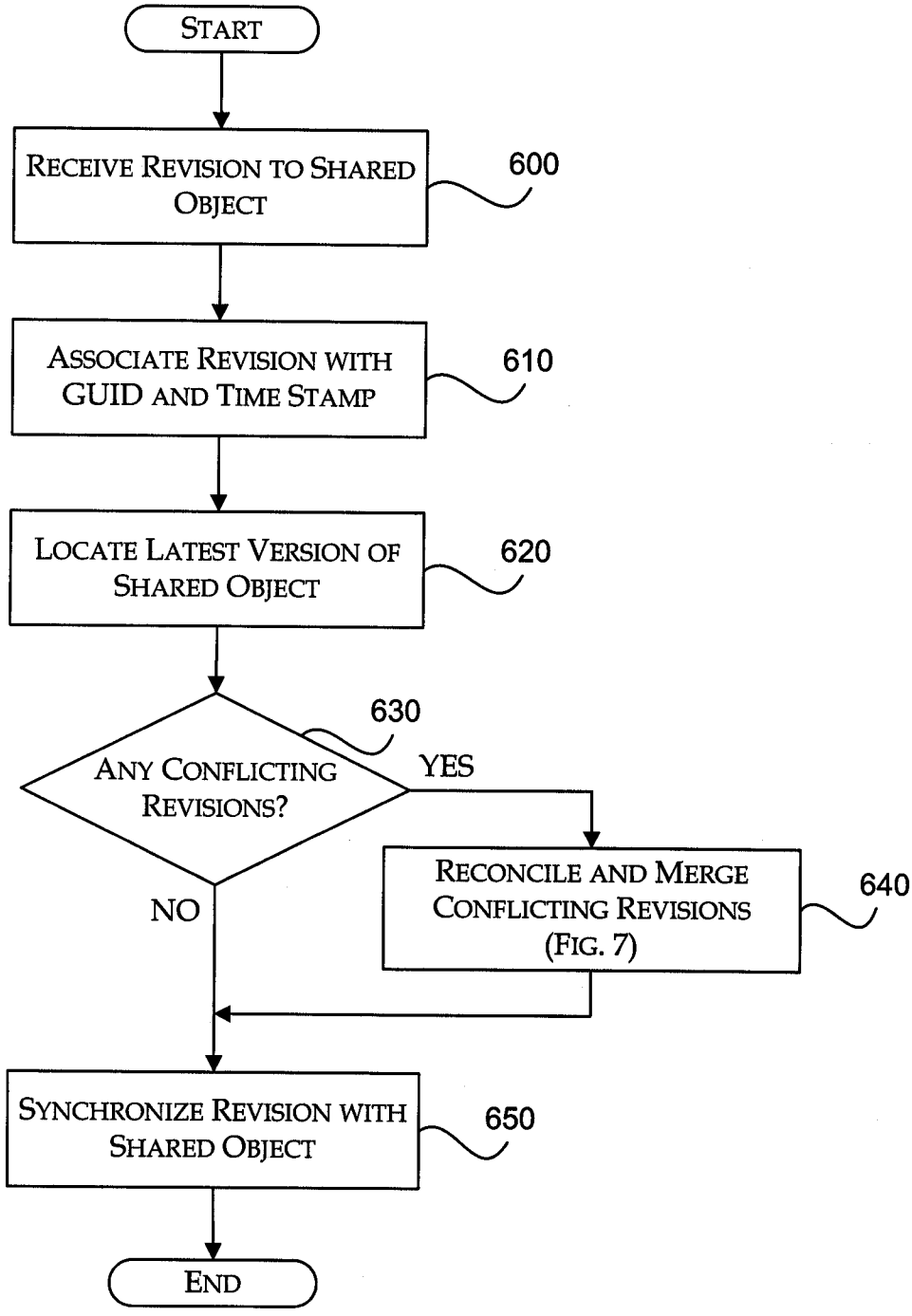

START
RECEIVE REVISION TO SHARED OBJECT
600
ASSOCIATE REVISION WITH GUID AND TIME STAMP
610
LOCATE LATEST VERSION OF SHARED OBJECT
620
630
ANY CONFLICTING REVISIONS?
YES
NO
RECONCILE AND MERGE CONFLICTING REVISIONS (FIG. 7)
640
SYNCHRONIZE REVISION WITH SHARED OBJECT
650
END

Fig. 6

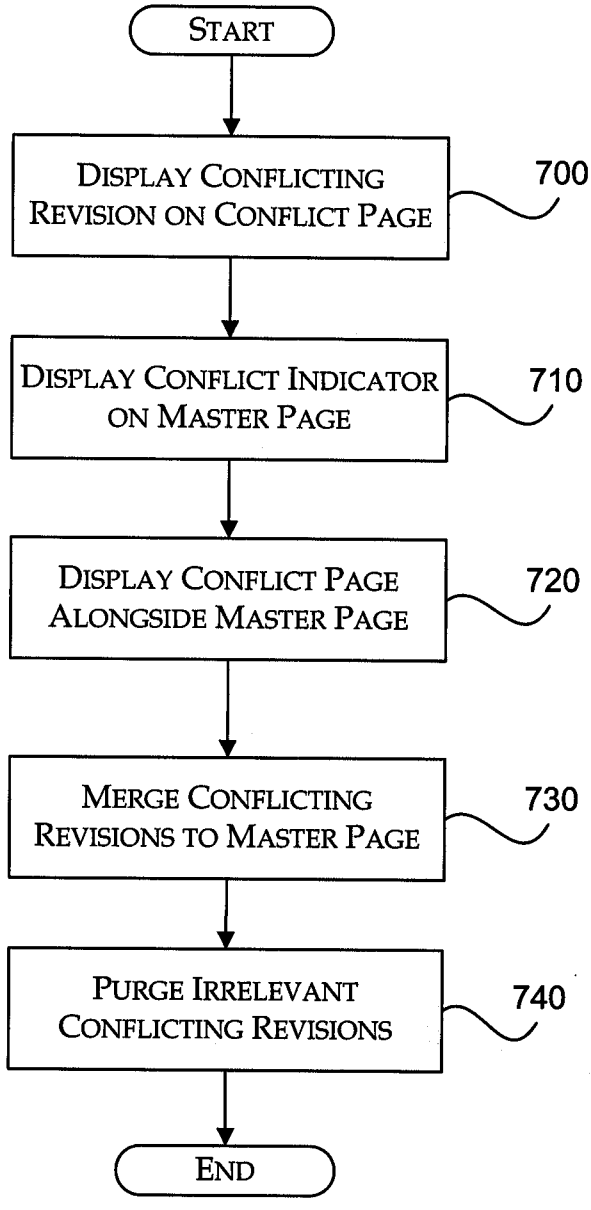

START
DISPLAY CONFLICTING REVISION ON CONFLICT PAGE
700
DISPLAY CONFLICT INDICATOR ON MASTER PAGE
710
DISPLAY CONFLICT PAGE ALONGSIDE MASTER PAGE
720
MERGE CONFLICTING REVISIONS TO MASTER PAGE
730
PURGE IRRELEVANT CONFLICTING REVISIONS
740
END

Fig. 7

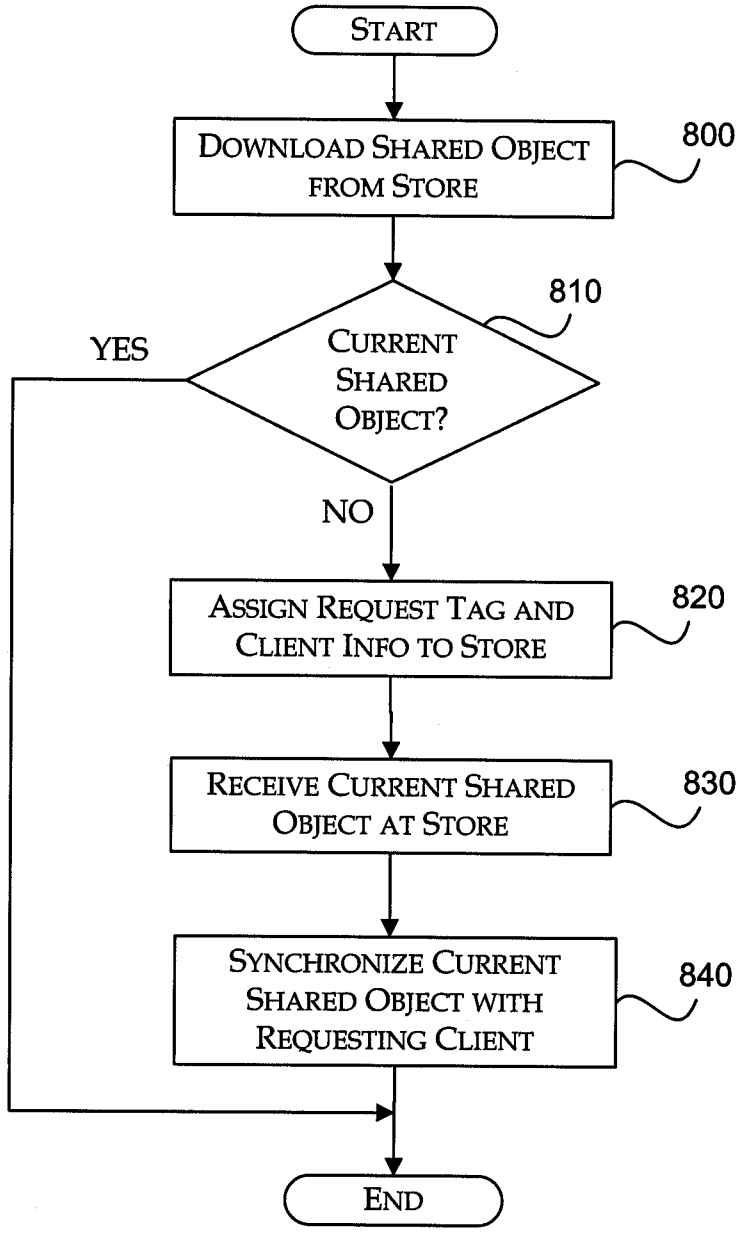

START
DOWNLOAD SHARED OBJECT FROM STORE
800
CURRENT SHARED OBJECT?
810
YES
NO
ASSIGN REQUEST TAG AND CLIENT INFO TO STORE
820
RECEIVE CURRENT SHARED OBJECT AT STORE
830
SYNCHRONIZE CURRENT SHARED OBJECT WITH REQUESTING CLIENT
840
END

Fig. 8

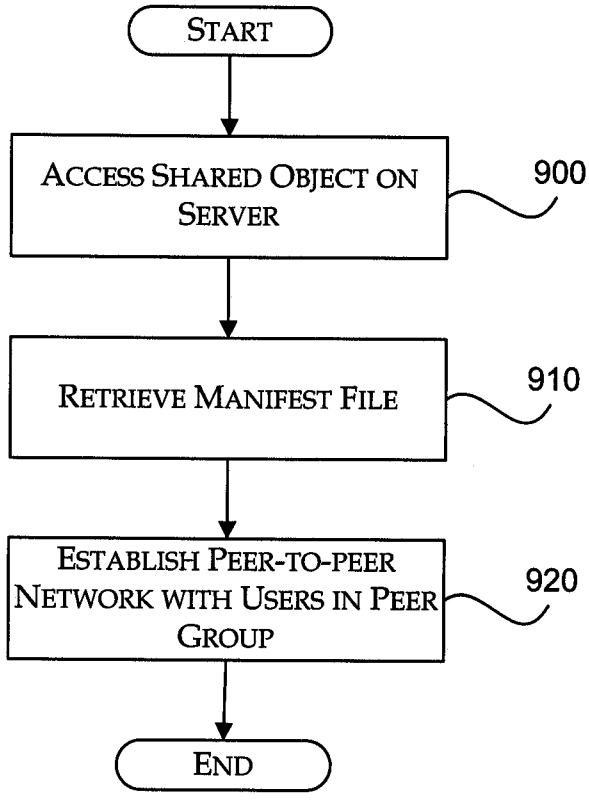

START
ACCESS SHARED OBJECT ON SERVER
900
RETRIEVE MANIFEST FILE
910
ESTABLISH PEER-TO-PEER NETWORK WITH USERS IN PEER GROUP
920
END

Fig. 9

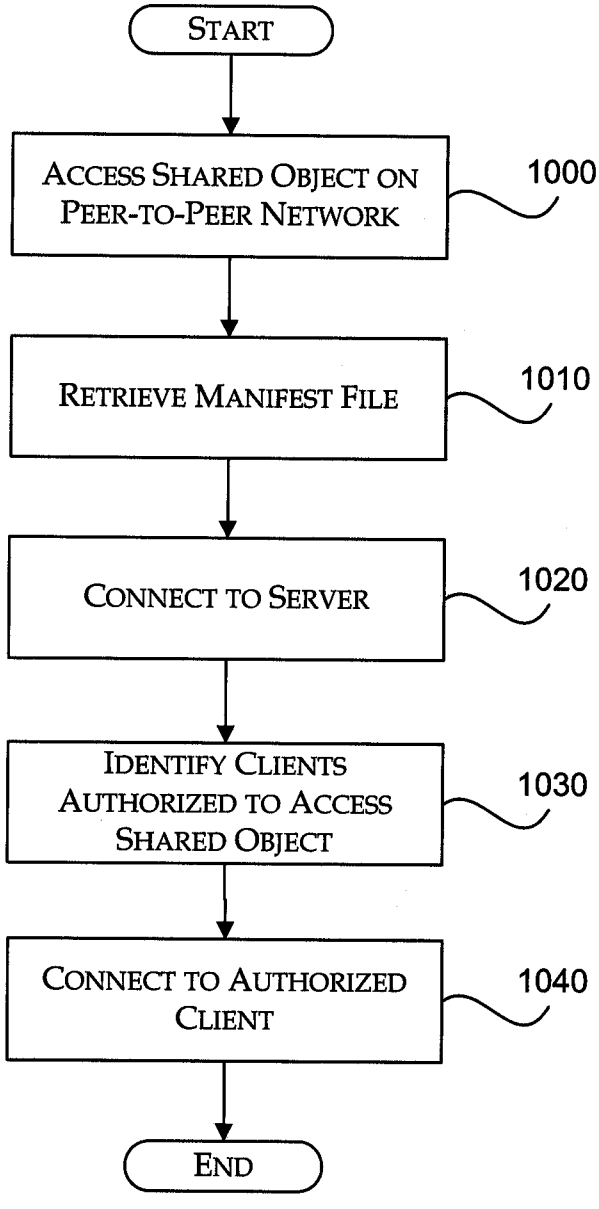

START
ACCESS SHARED OBJECT ON PEER-TO-PEER NETWORK
1000
RETRIEVE MANIFEST FILE
1010
CONNECT TO SERVER
1020
IDENTIFY CLIENTS AUTHORIZED TO ACCESS SHARED OBJECT
1030
CONNECT TO AUTHORIZED CLIENT
1040
END

Fig. 10