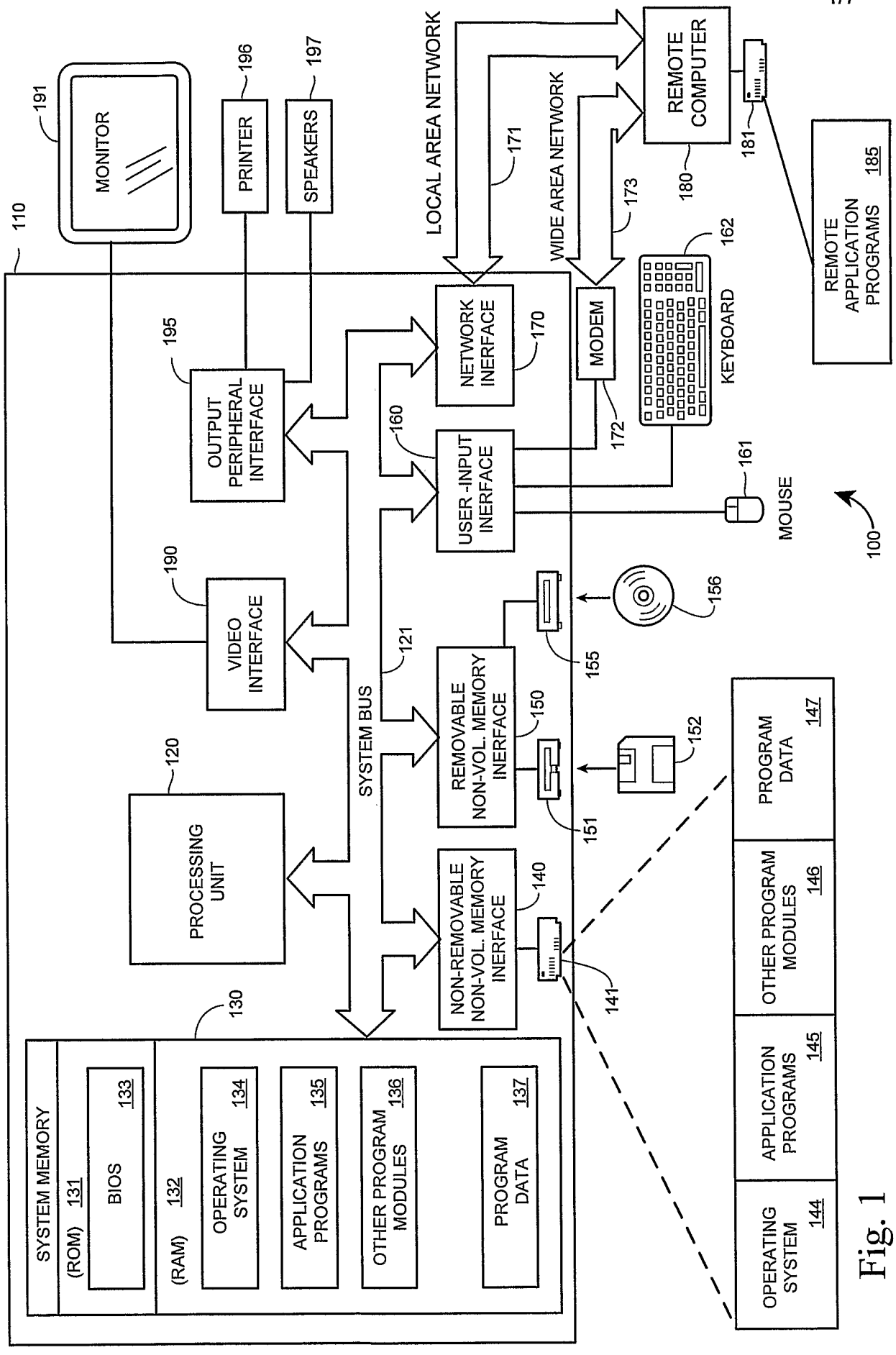

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LOCAL AREA NETWORK
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Fig. 1

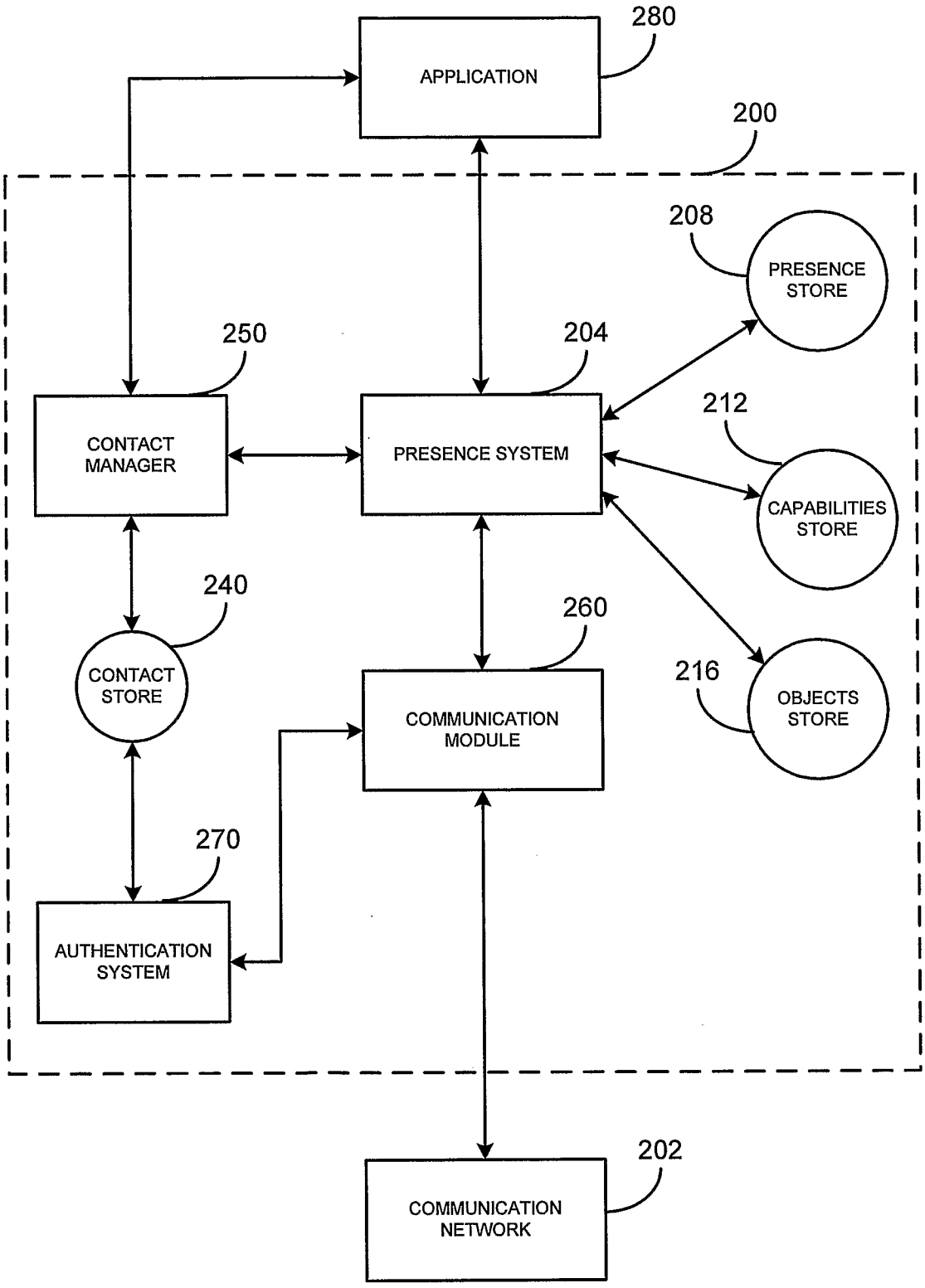

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APPLICATION
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250
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212
CAPABILITIES STORE
240
260
CONTACT STORE
COMMUNICATION MODULE
216
OBJECTS STORE
270
AUTHENTICATION SYSTEM
202
COMMUNICATION NETWORK

Fig. 2

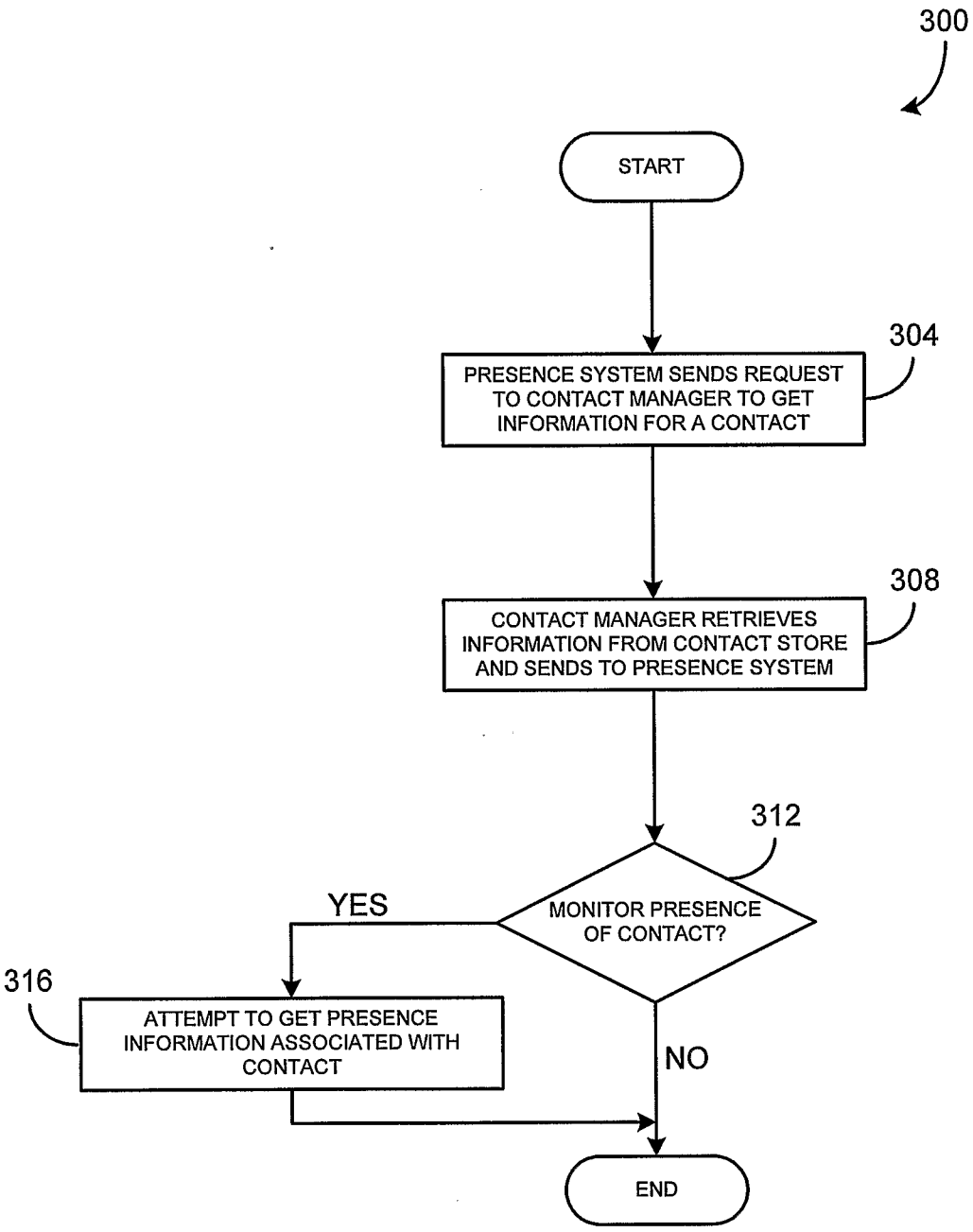

300
START
304
PRESENCE SYSTEM SENDS REQUEST TO CONTACT MANAGER TO GET INFORMATION FOR A CONTACT
308
CONTACT MANAGER RETRIEVES INFORMATION FROM CONTACT STORE AND SENDS TO PRESENCE SYSTEM
312
MONITOR PRESENCE OF CONTACT?
YES
NO
316
ATTEMPT TO GET PRESENCE INFORMATION ASSOCIATED WITH CONTACT
END

Fig. 3

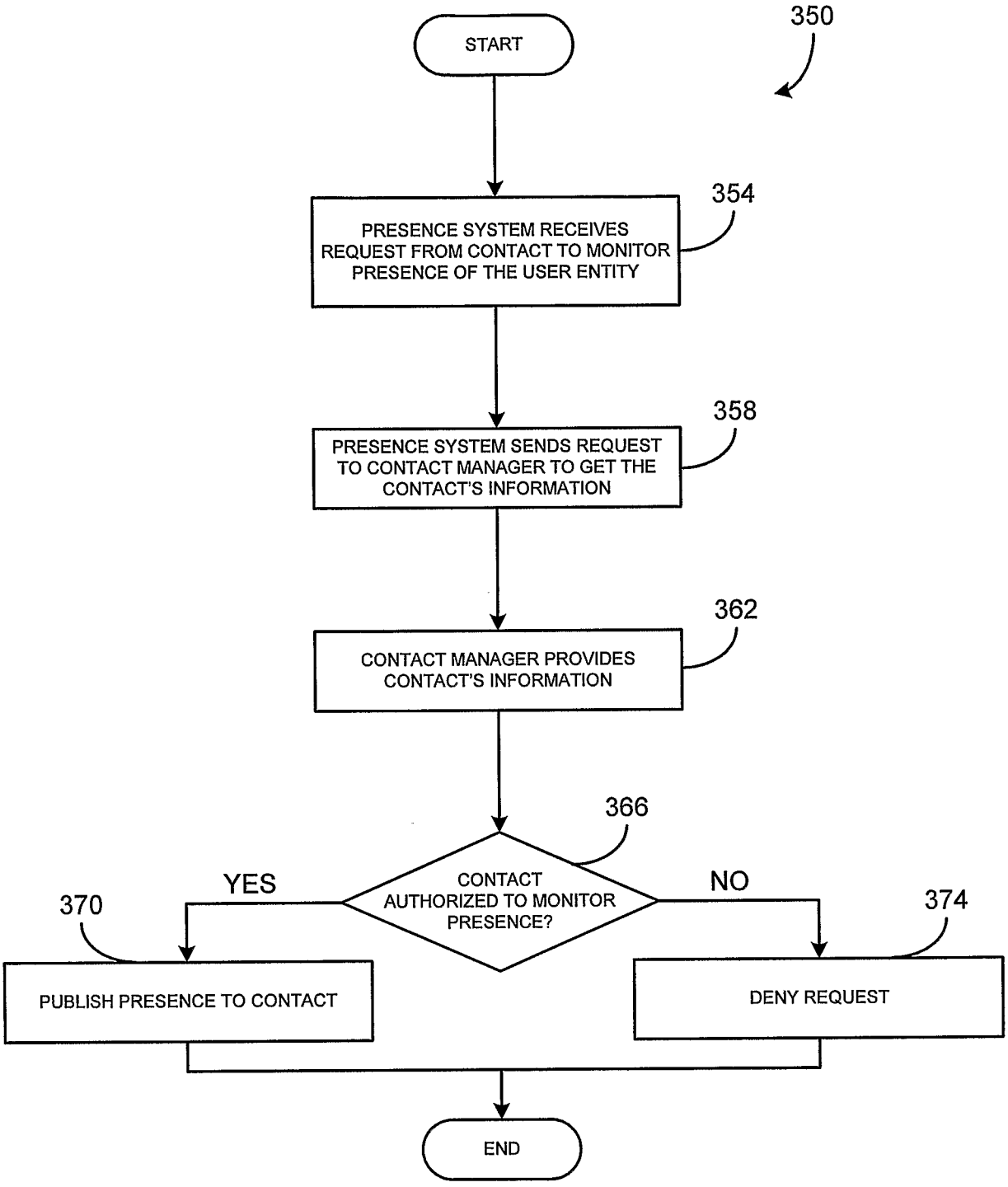

350
START
354
PRESENCE SYSTEM RECEIVES REQUEST FROM CONTACT TO MONITOR PRESENCE OF THE USER ENTITY
358
PRESENCE SYSTEM SENDS REQUEST TO CONTACT MANAGER TO GET THE CONTACT'S INFORMATION
362
CONTACT MANAGER PROVIDES CONTACT'S INFORMATION
366
CONTACT AUTHORIZED TO MONITOR PRESENCE?
YES
NO
370
PUBLISH PRESENCE TO CONTACT
374
DENY REQUEST
END

Fig. 4

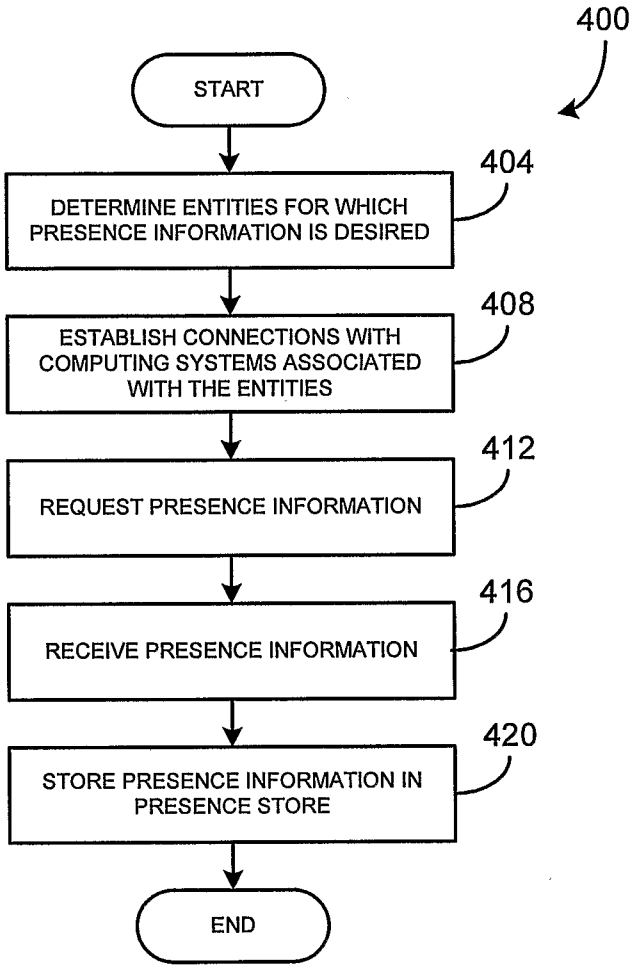

400
START
404
DETERMINE ENTITIES FOR WHICH PRESENCE INFORMATION IS DESIRED
408
ESTABLISH CONNECTIONS WITH COMPUTING SYSTEMS ASSOCIATED WITH THE ENTITIES
412
REQUEST PRESENCE INFORMATION
416
RECEIVE PRESENCE INFORMATION
420
STORE PRESENCE INFORMATION IN PRESENCE STORE
END

Fig. 5

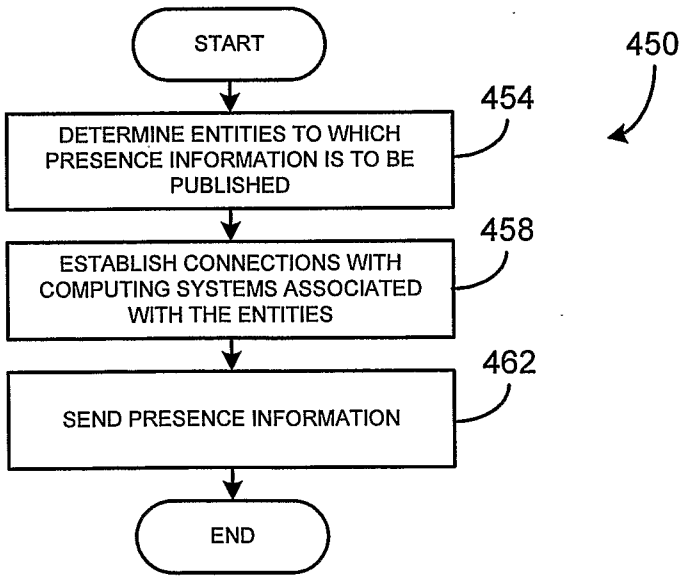

450
START
454
DETERMINE ENTITIES TO WHICH PRESENCE INFORMATION IS TO BE PUBLISHED
458
ESTABLISH CONNECTIONS WITH COMPUTING SYSTEMS ASSOCIATED WITH THE ENTITIES
462
SEND PRESENCE INFORMATION
END

Fig. 6

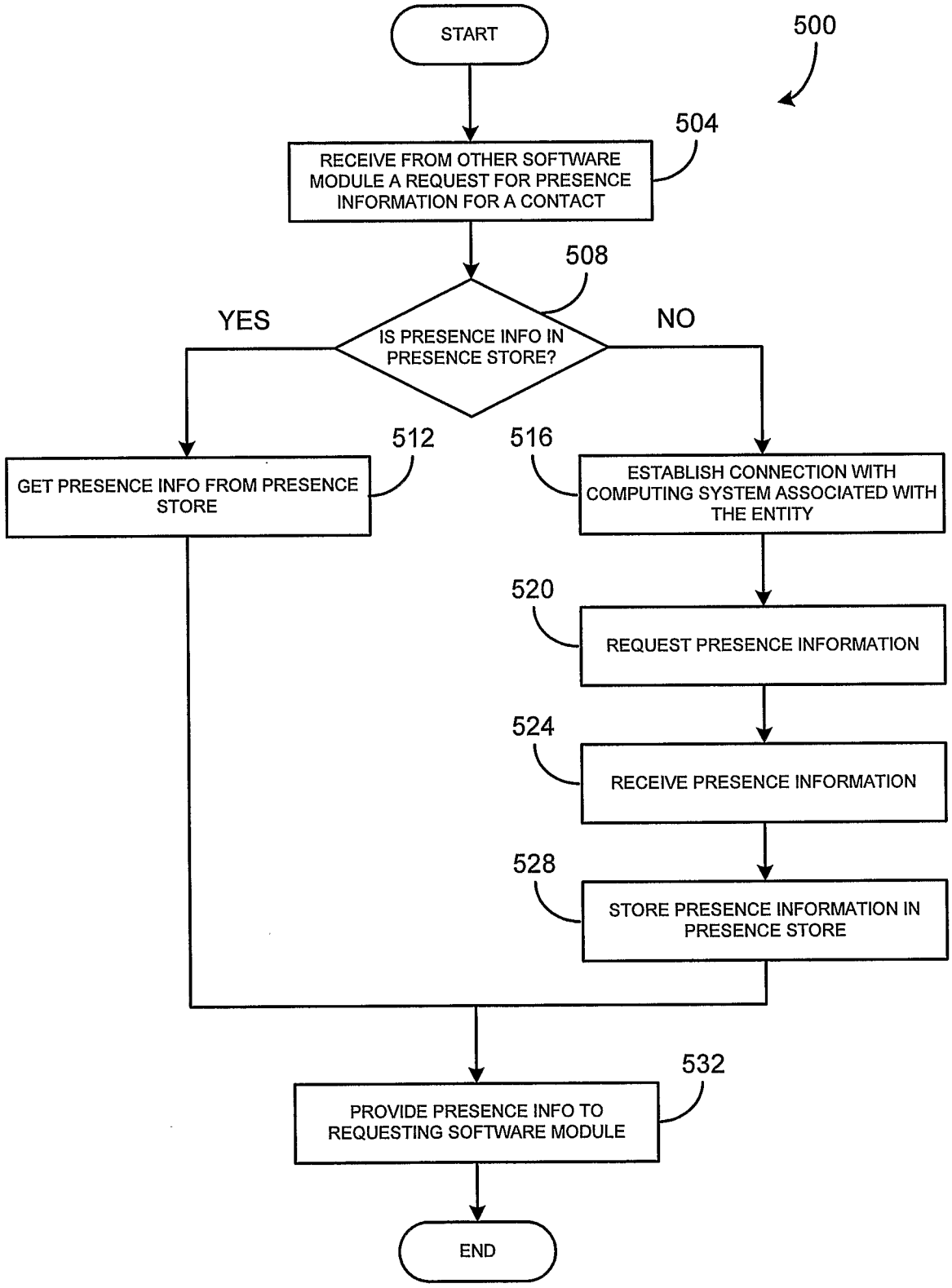

START
500
504
RECEIVE FROM OTHER SOFTWARE MODULE A REQUEST FOR PRESENCE INFORMATION FOR A CONTACT
508
IS PRESENCE INFO IN PRESENCE STORE?
YES
NO
512
GET PRESENCE INFO FROM PRESENCE STORE
516
ESTABLISH CONNECTION WITH COMPUTING SYSTEM ASSOCIATED WITH THE ENTITY
520
REQUEST PRESENCE INFORMATION
524
RECEIVE PRESENCE INFORMATION
528
STORE PRESENCE INFORMATION IN PRESENCE STORE
532
PROVIDE PRESENCE INFO TO REQUESTING SOFTWARE MODULE
END

Fig. 7

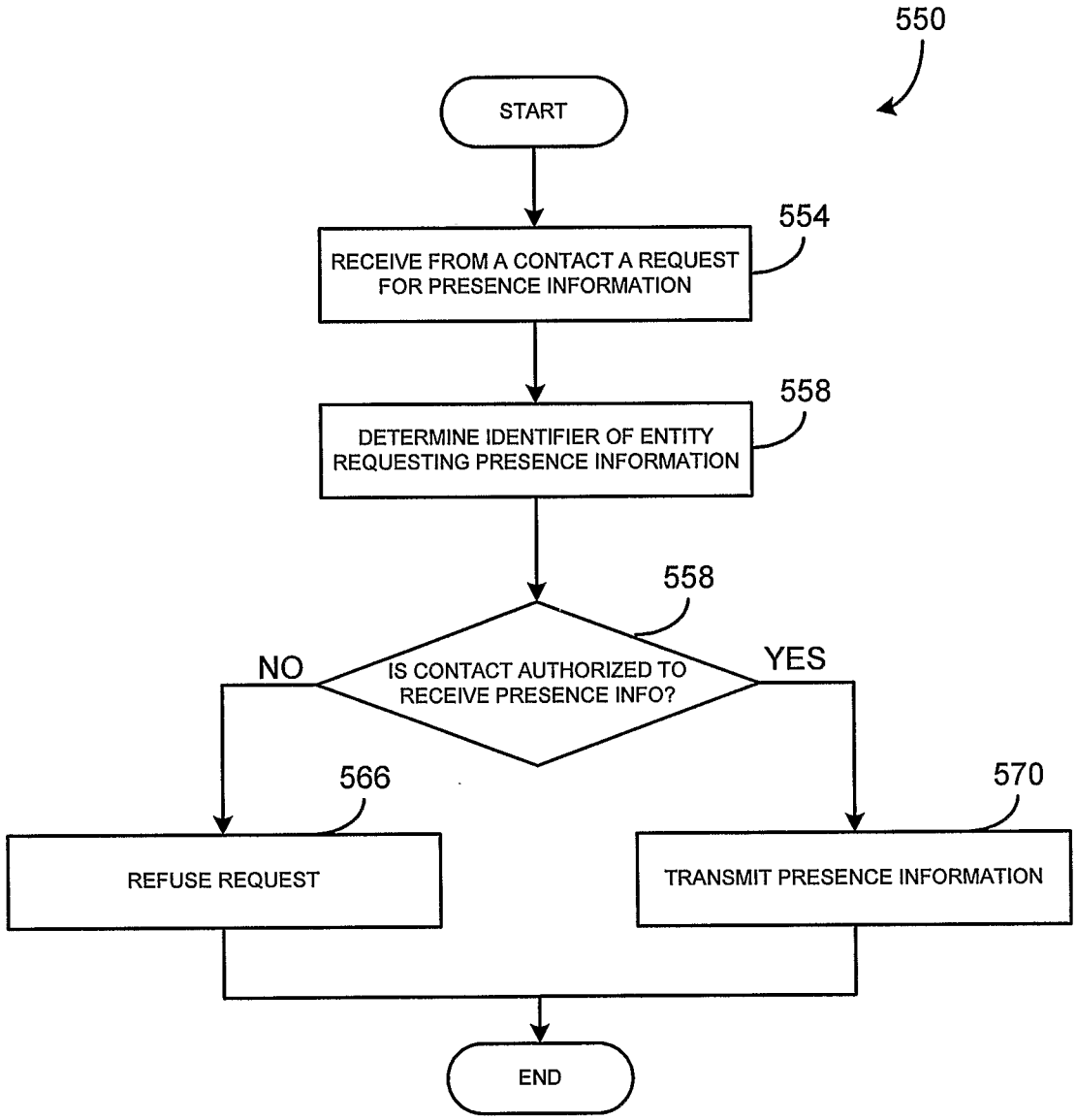

550
START
554
RECEIVE FROM A CONTACT A REQUEST FOR PRESENCE INFORMATION
558
DETERMINE IDENTIFIER OF ENTITY REQUESTING PRESENCE INFORMATION
558
IS CONTACT AUTHORIZED TO RECEIVE PRESENCE INFO?
NO
YES
566
REFUSE REQUEST
570
TRANSMIT PRESENCE INFORMATION
END

Fig. 8