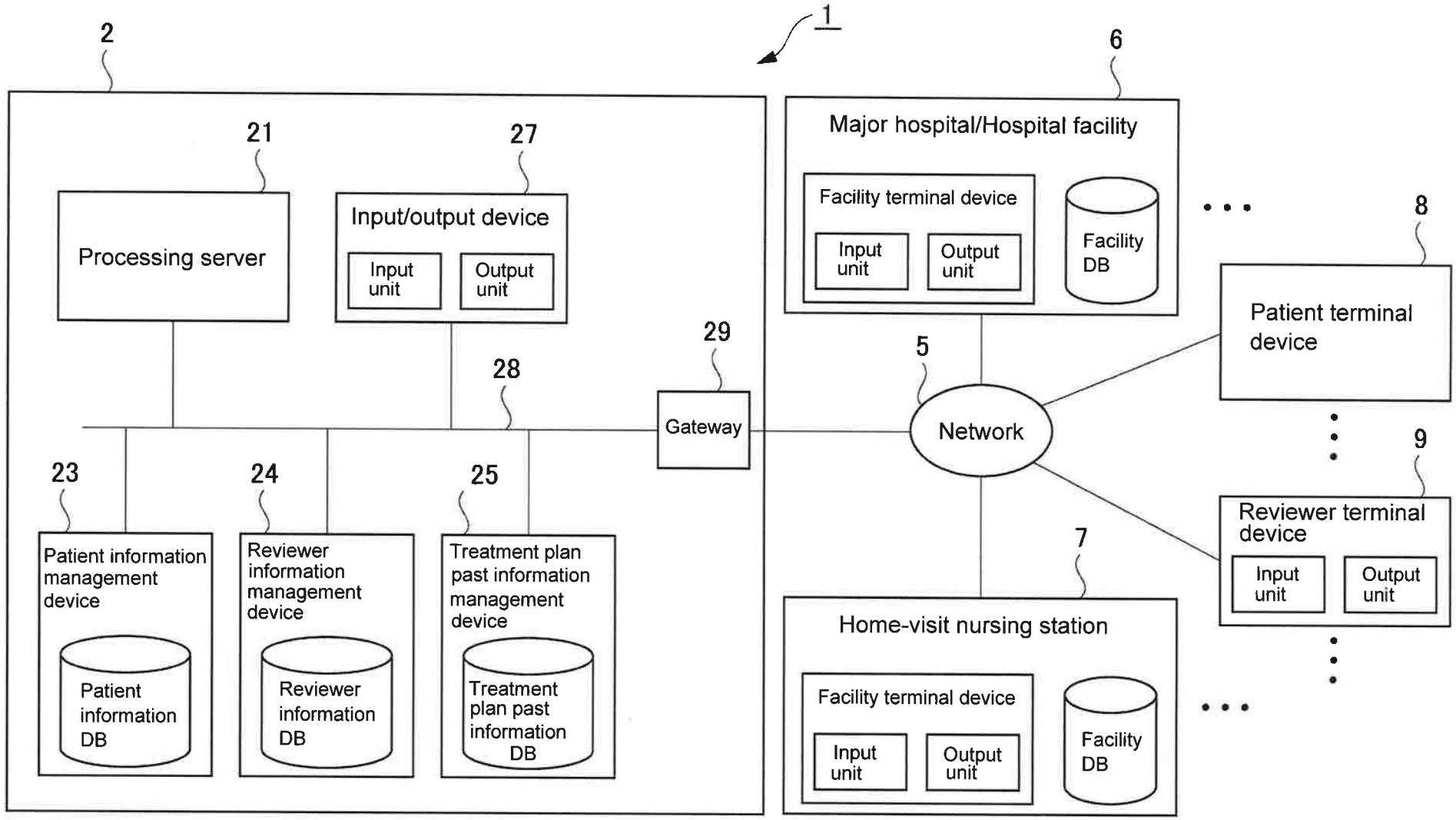

1
2
21
Processing server
27
Input/output device
Input unit
Output unit
28
29
Gateway
23
Patient information management device
Patient information DB
24
Reviewer information management device
Reviewer information DB
25
Treatment plan past information management device
Treatment plan past information DB
5
Network
6
Major hospital/Hospital facility
Facility terminal device
Input unit
Output unit
Facility DB
7
Home-visit nursing station
Facility terminal device
Input unit
Output unit
Facility DB
8
Patient terminal device
9
Reviewer terminal device
Input unit
Output unit

FIG. 1

FIG. 2

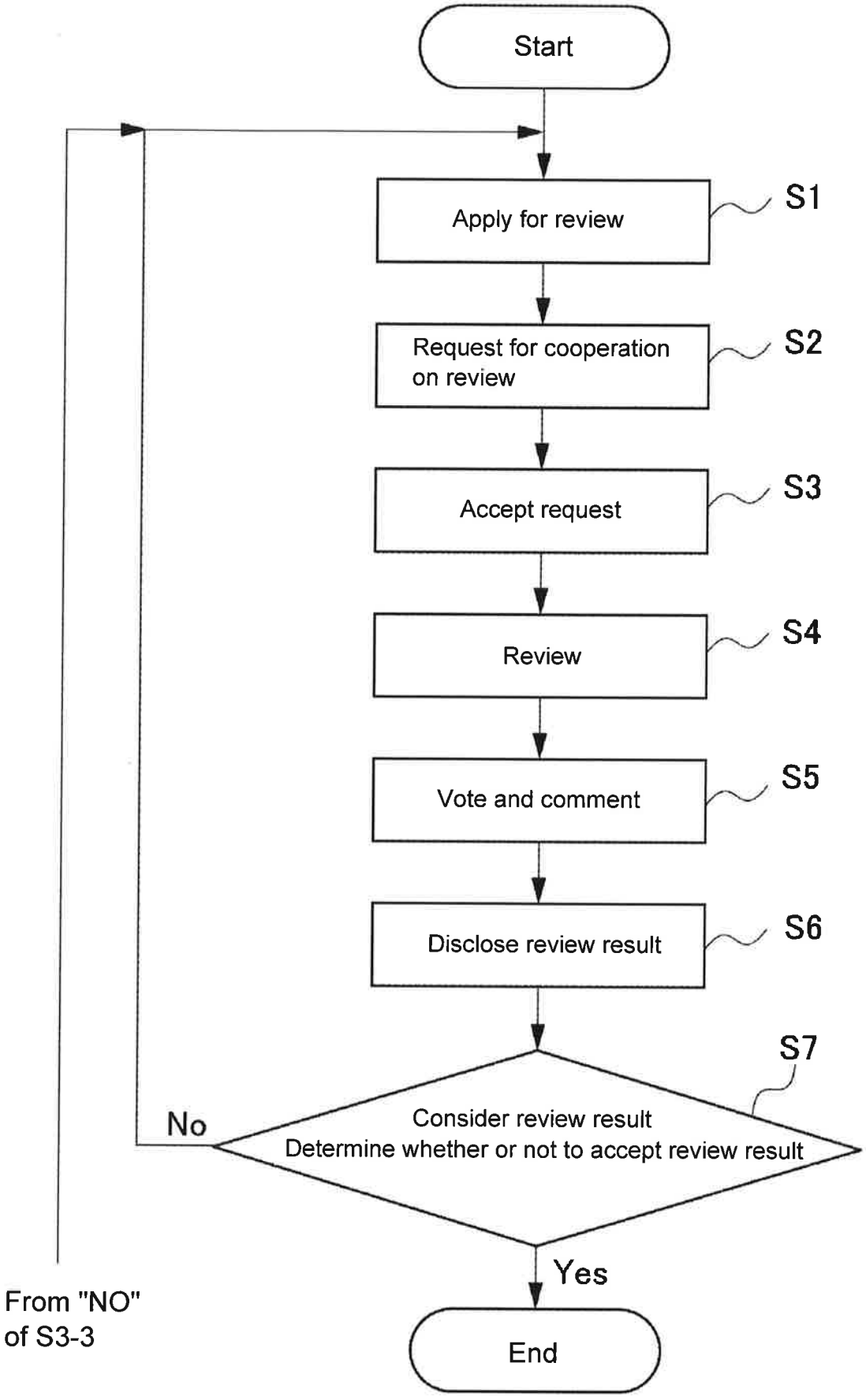

Start
Apply for review
S1
Request for cooperation on review
S2
Accept request
S3
Review
S4
Vote and comment
S5
Disclose review result
S6
S7
Consider review result
Determine whether or not to accept review result
No
Yes
End
From "NO" of S3-3

FIG. 3

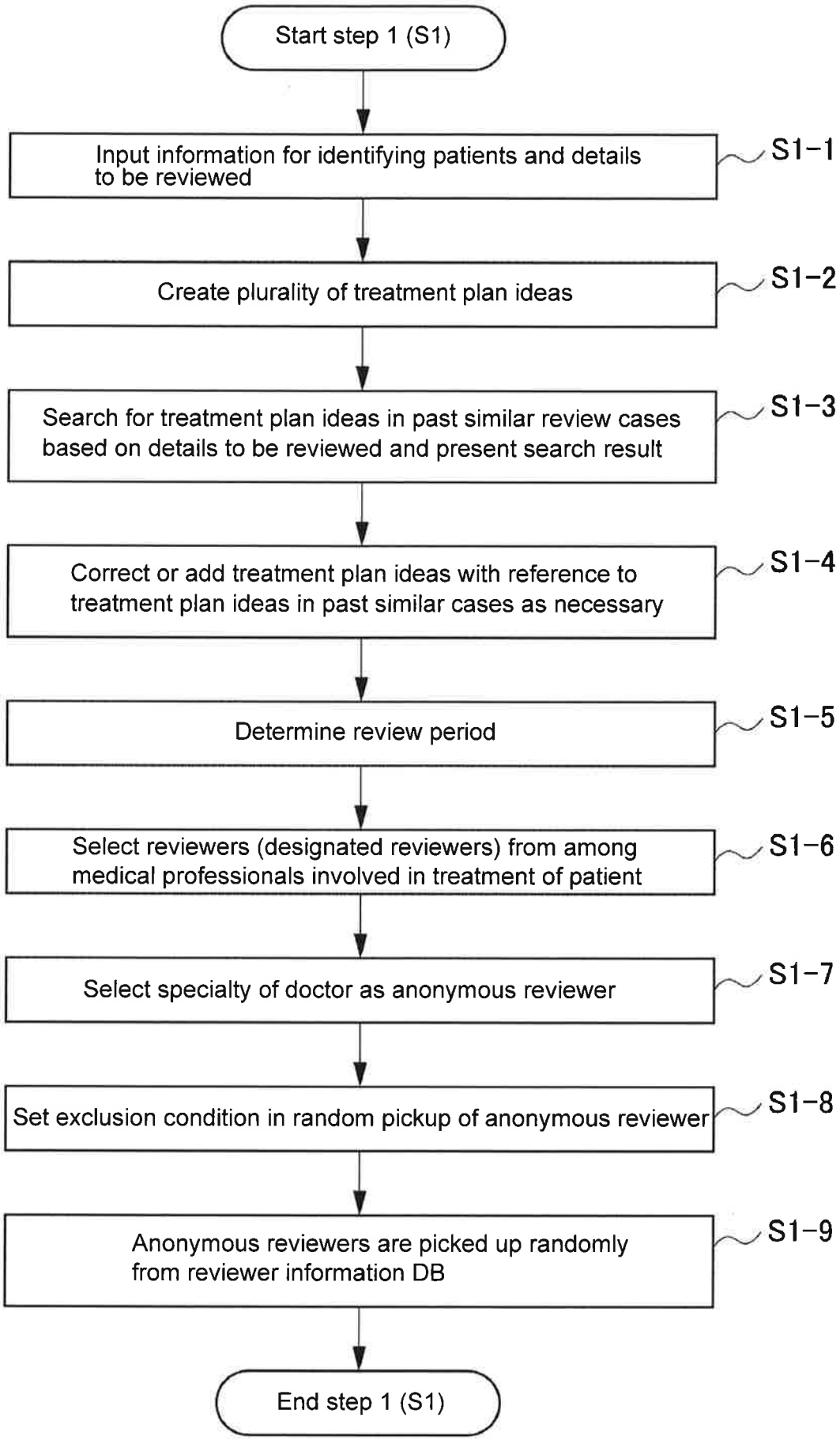

Start step 1 (S1)
Input information for identifying patients and details to be reviewed
S1-1
Create plurality of treatment plan ideas
S1-2
Search for treatment plan ideas in past similar review cases based on details to be reviewed and present search result
S1-3
Correct or add treatment plan ideas with reference to treatment plan ideas in past similar cases as necessary
S1-4
Determine review period
S1-5
Select reviewers (designated reviewers) from among medical professionals involved in treatment of patient
S1-6
Select specialty of doctor as anonymous reviewer
S1-7
Set exclusion condition in random pickup of anonymous reviewer
S1-8
Anonymous reviewers are picked up randomly from reviewer information DB
S1-9
End step 1 (S1)

FIG. 4

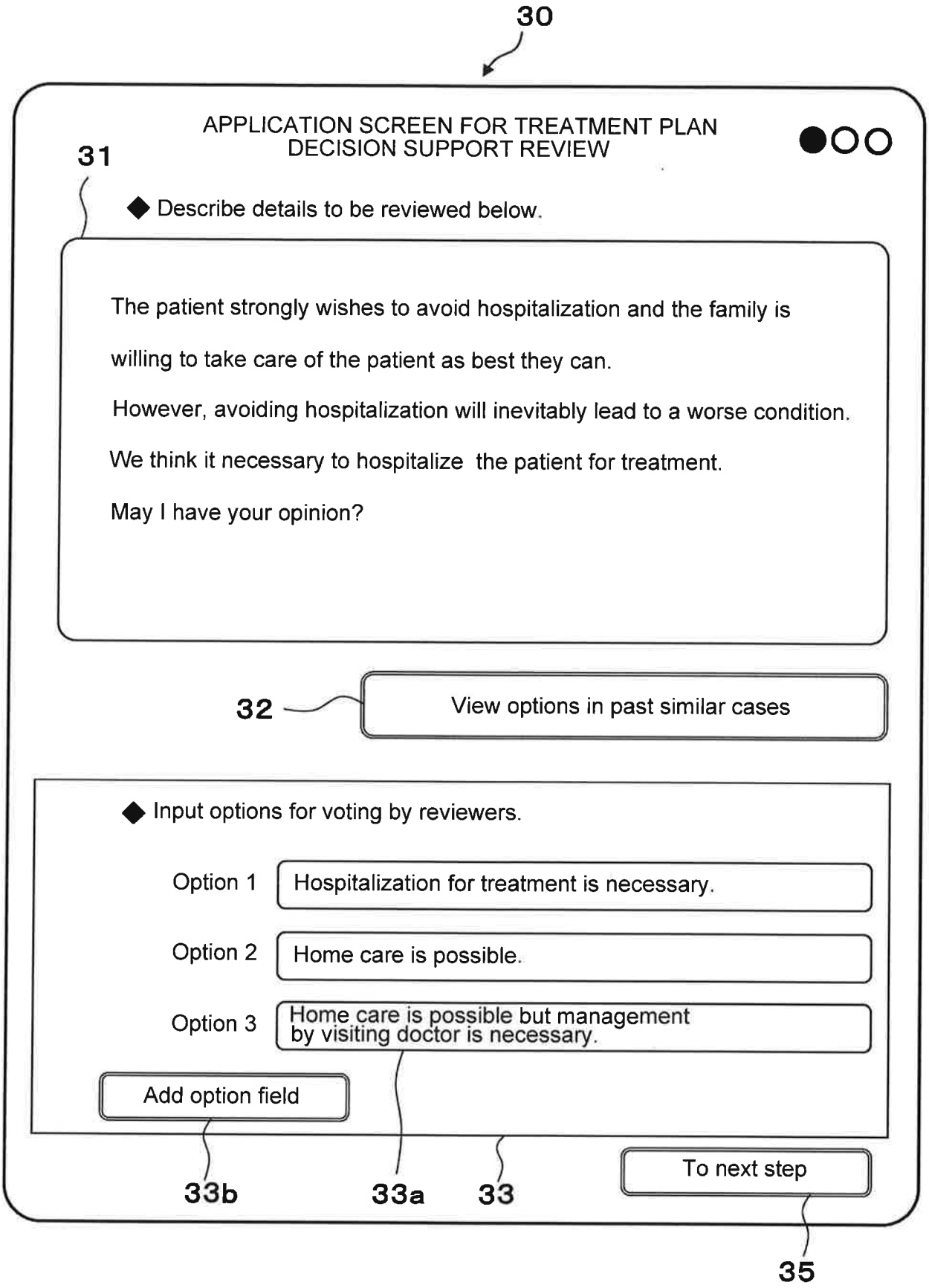

30
APPLICATION SCREEN FOR TREATMENT PLAN
DECISION SUPPORT REVIEW
●○○
31
◆ Describe details to be reviewed below.
The patient strongly wishes to avoid hospitalization and the family is willing to take care of the patient as best they can.
However, avoiding hospitalization will inevitably lead to a worse condition.
We think it necessary to hospitalize the patient for treatment.
May I have your opinion?
32
View options in past similar cases
◆ Input options for voting by reviewers.
Option 1
Hospitalization for treatment is necessary.
Option 2
Home care is possible.
Option 3
Home care is possible but management by visiting doctor is necessary.
Add option field
33b
33a
33
To next step
35

FIG. 5

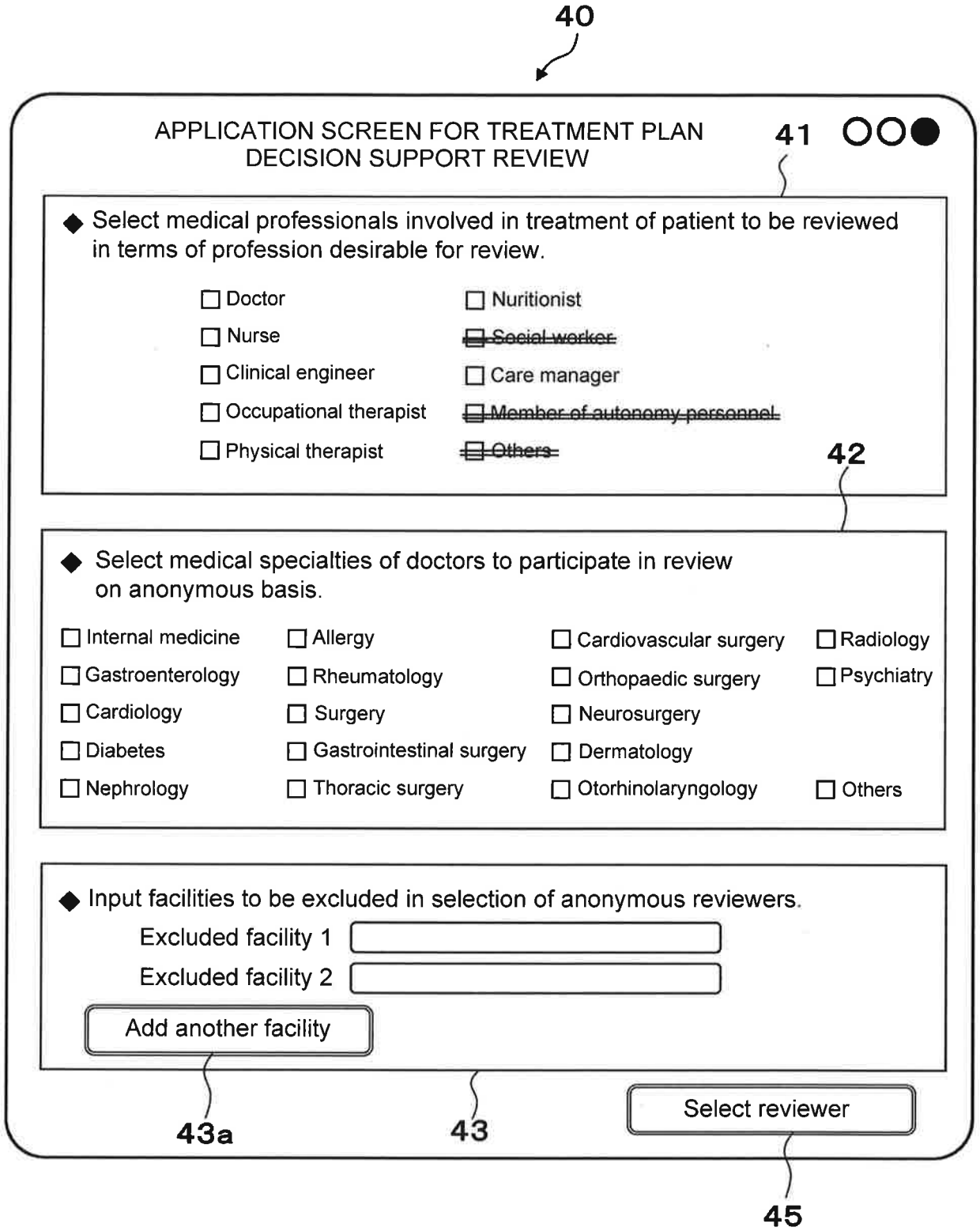

40
APPLICATION SCREEN FOR TREATMENT PLAN DECISION SUPPORT REVIEW
41
◆ Select medical professionals involved in treatment of patient to be reviewed in terms of profession desirable for review.
Doctor
Nurse
Clinical engineer
Occupational therapist
Physical therapist
Nuritionist
Social worker
Care manager
Member of autonomy personnel
Others
42
◆ Select medical specialties of doctors to participate in review on anonymous basis.
Internal medicine
Allergy
Cardiovascular surgery
Radiology
Gastroenterology
Rheumatology
Orthopaedic surgery
Psychiatry
Cardiology
Surgery
Neurosurgery
Diabetes
Gastrointestinal surgery
Dermatology
Nephrology
Thoracic surgery
Otorhinolaryngology
Others
◆ Input facilities to be excluded in selection of anonymous reviewers.
Excluded facility 1
Excluded facility 2
Add another facility
43a
43
Select reviewer
45

FIG. 6

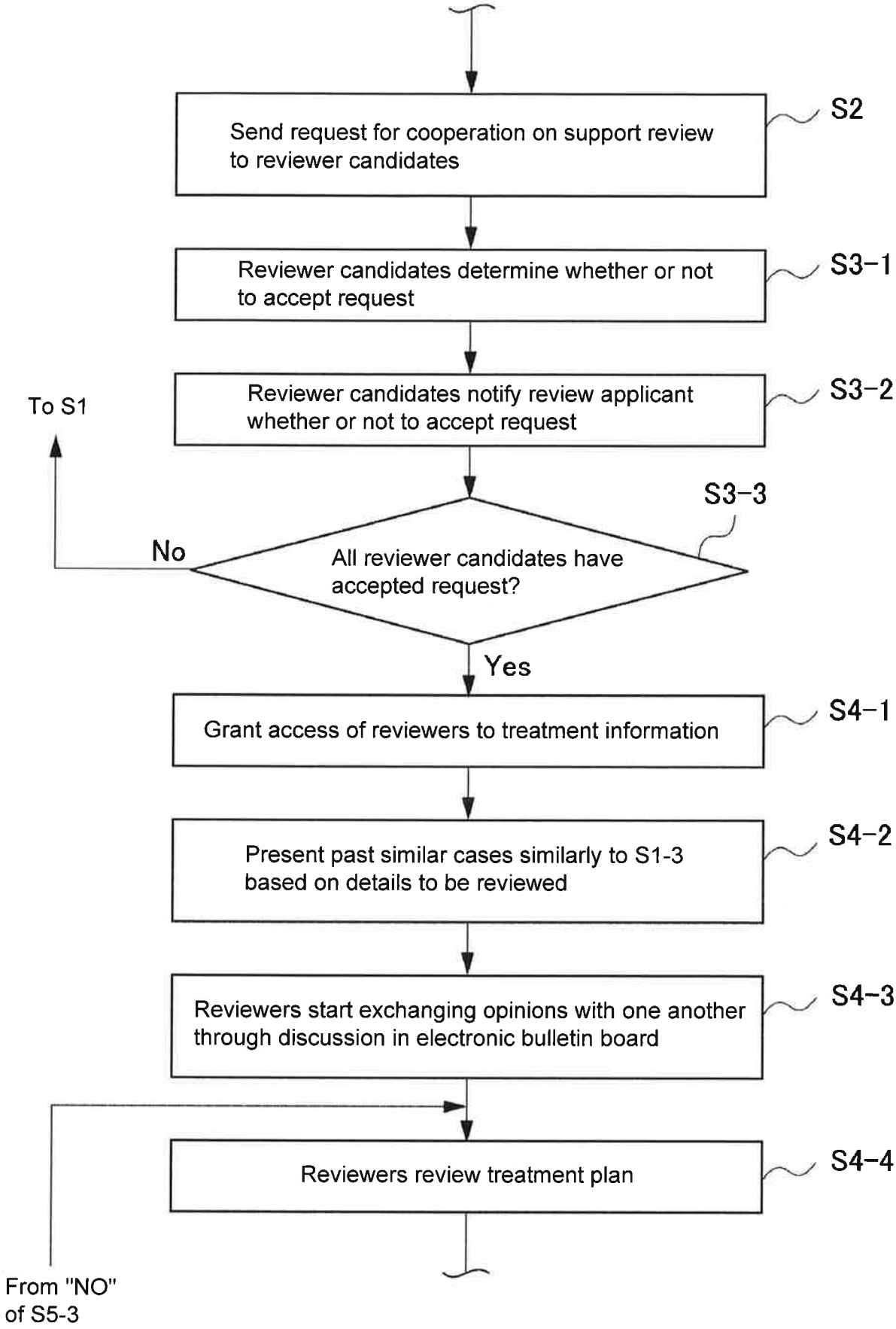

Send request for cooperation on support review to reviewer candidates
S2
Reviewer candidates determine whether or not to accept request
S3-1
Reviewer candidates notify review applicant whether or not to accept request
S3-2
To S1
S3-3
No
All reviewer candidates have accepted request?
Yes
Grant access of reviewers to treatment information
S4-1
Present past similar cases similarly to S1-3 based on details to be reviewed
S4-2
Reviewers start exchanging opinions with one another through discussion in electronic bulletin board
S4-3
Reviewers review treatment plan
S4-4
From "NO" of S5-3

FIG. 7

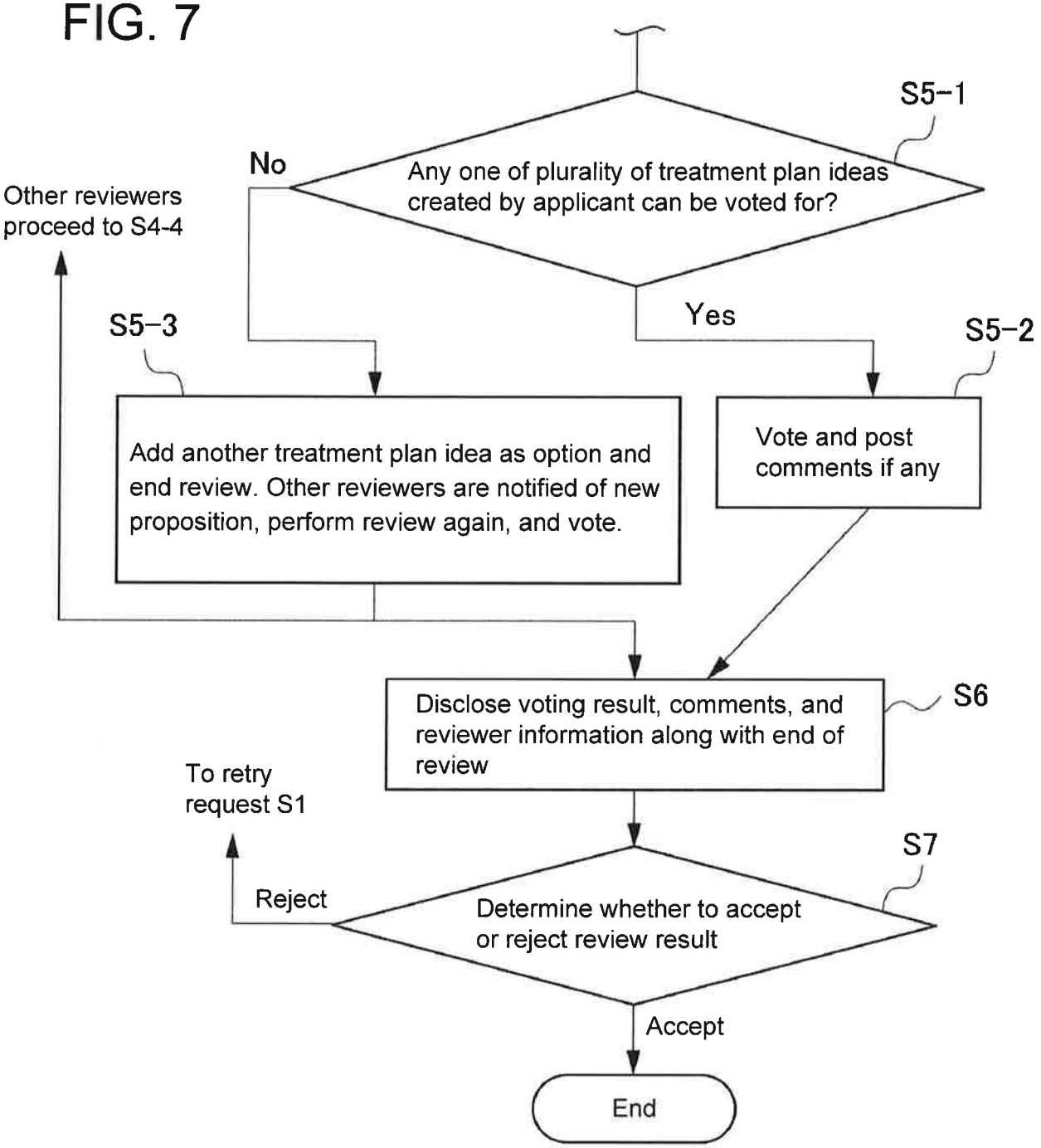

S5-1
Any one of plurality of treatment plan ideas created by applicant can be voted for?
No
Other reviewers proceed to S4-4
Yes
S5-3
Add another treatment plan idea as option and end review. Other reviewers are notified of new proposition, perform review again, and vote.
S5-2
Vote and post comments if any
S6
Disclose voting result, comments, and reviewer information along with end of review
To retry request S1
S7
Reject
Determine whether to accept or reject review result
Accept
End

FIG. 8

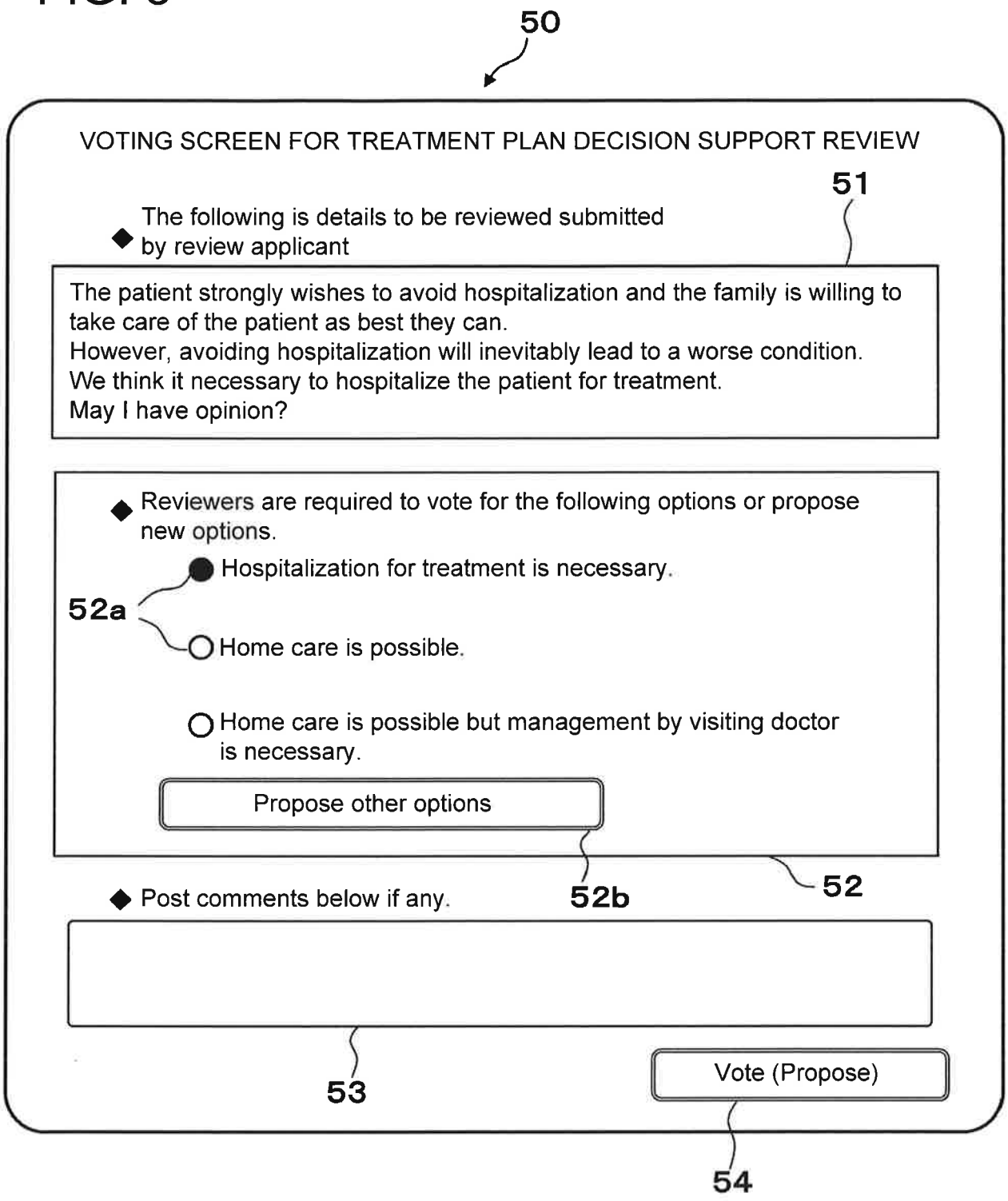
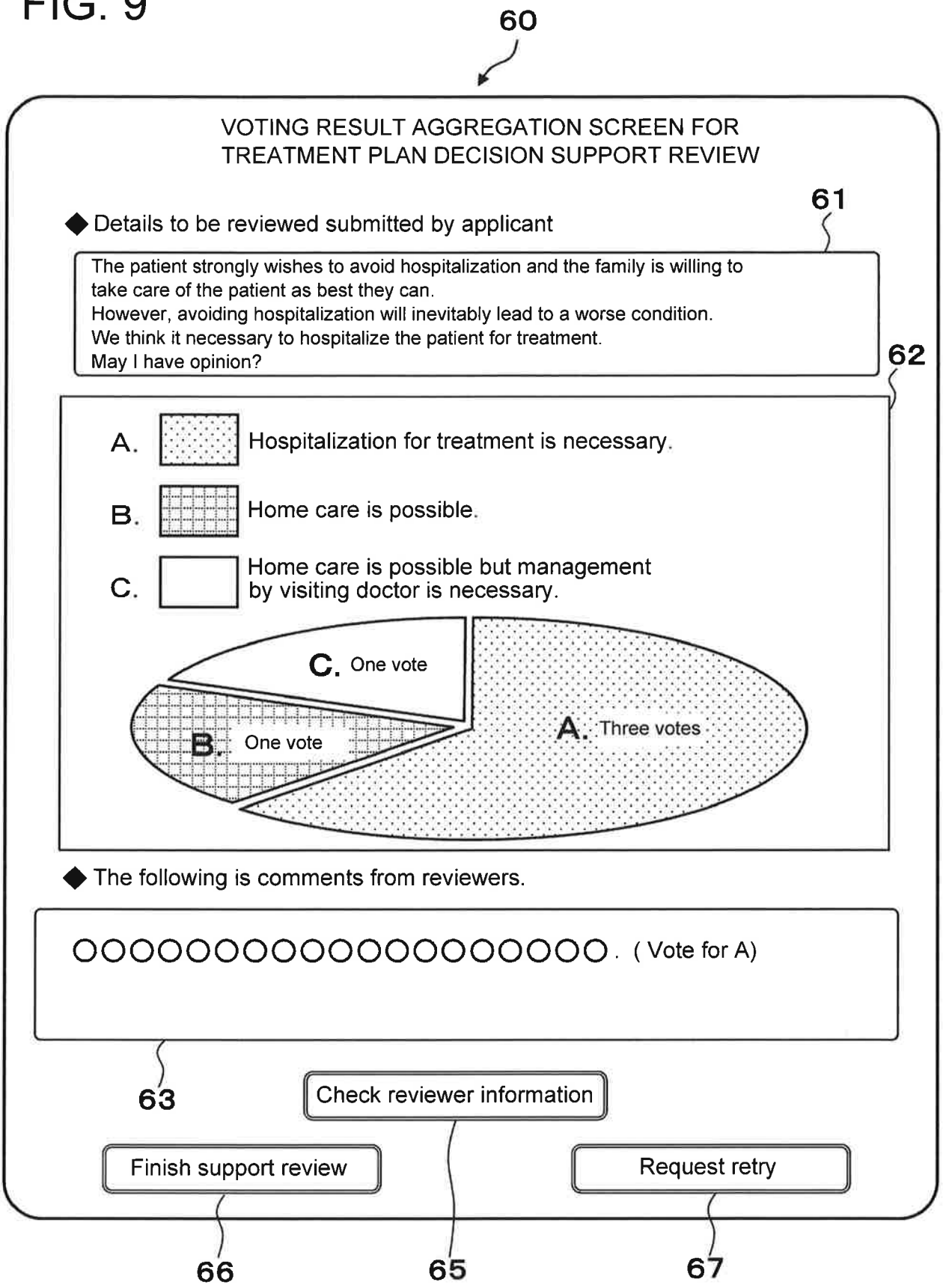

50
VOTING SCREEN FOR TREATMENT PLAN DECISION SUPPORT REVIEW
51
◆ The following is details to be reviewed submitted by review applicant
The patient strongly wishes to avoid hospitalization and the family is willing to take care of the patient as best they can.
However, avoiding hospitalization will inevitably lead to a worse condition.
We think it necessary to hospitalize the patient for treatment.
May I have opinion?
◆ Reviewers are required to vote for the following options or propose new options.
52a
● Hospitalization for treatment is necessary.
○ Home care is possible.
○ Home care is possible but management by visiting doctor is necessary.
Propose other options
52b
52
◆ Post comments below if any.
53
Vote (Propose)
54

FIG. 9


60
VOTING RESULT AGGREGATION SCREEN FOR
TREATMENT PLAN DECISION SUPPORT REVIEW
61
◆ Details to be reviewed submitted by applicant
The patient strongly wishes to avoid hospitalization and the family is willing to take care of the patient as best they can.
However, avoiding hospitalization will inevitably lead to a worse condition.
We think it necessary to hospitalize the patient for treatment.
May I have opinion?
62
A. Hospitalization for treatment is necessary.
B. Home care is possible.
C. Home care is possible but management by visiting doctor is necessary.
C. One vote
B. One vote
A. Three votes
◆ The following is comments from reviewers.
OOOOOOOOOOOOOOOOOOOO. (Vote for A)
63
Check reviewer information
Finish support review
Request retry
66
65
67