

FIG. 1

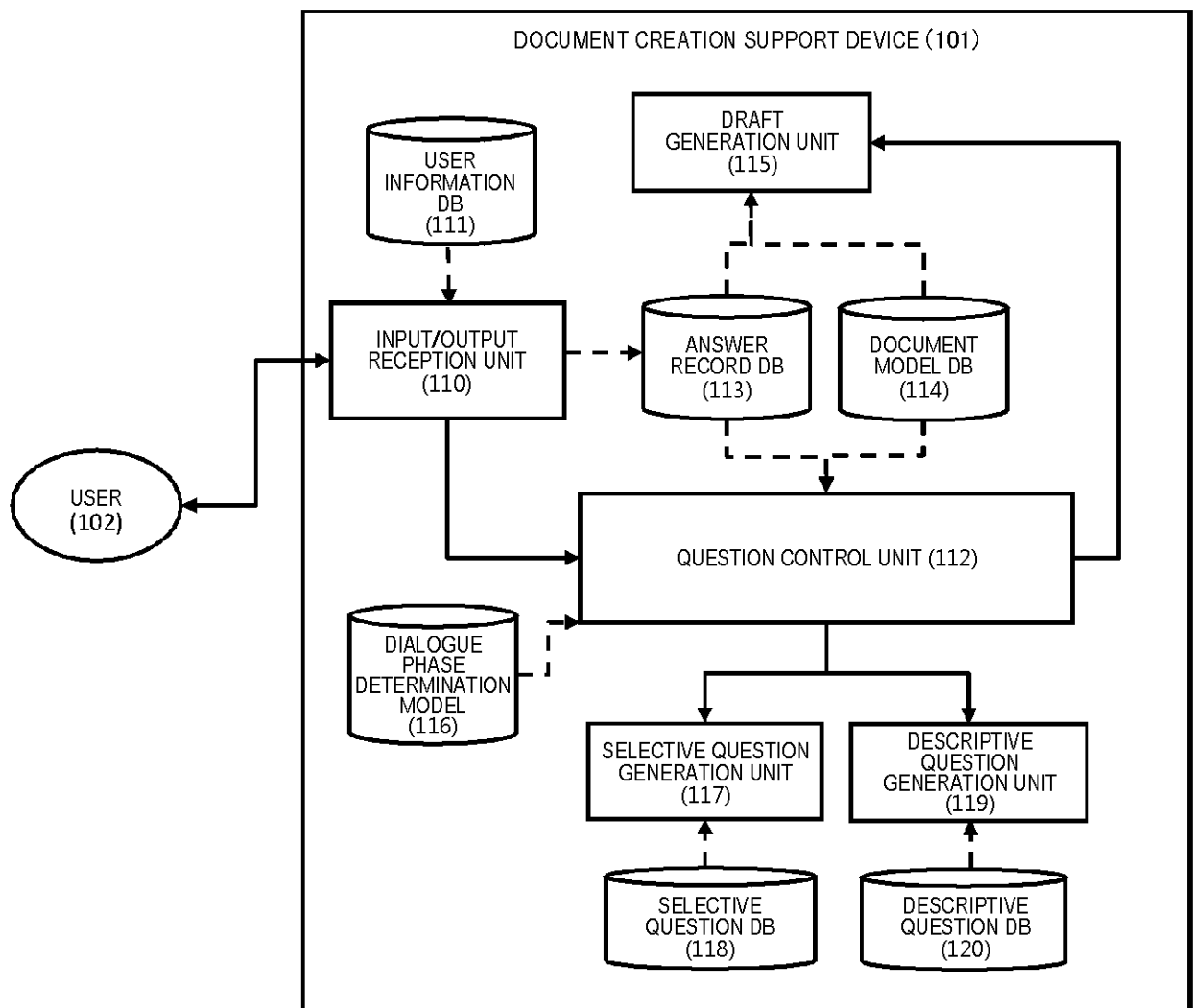


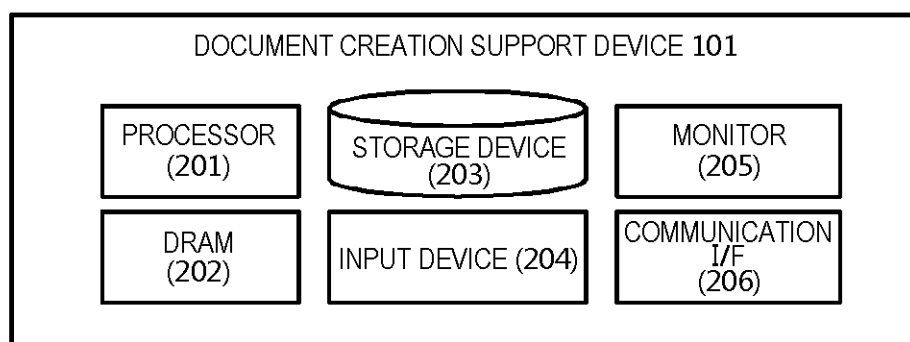
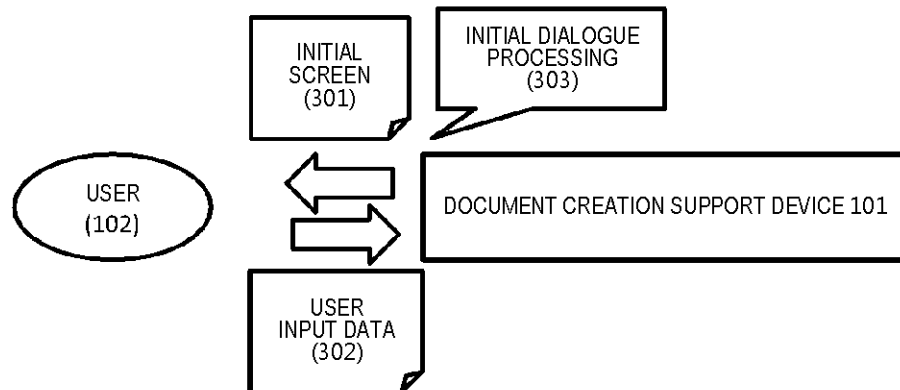
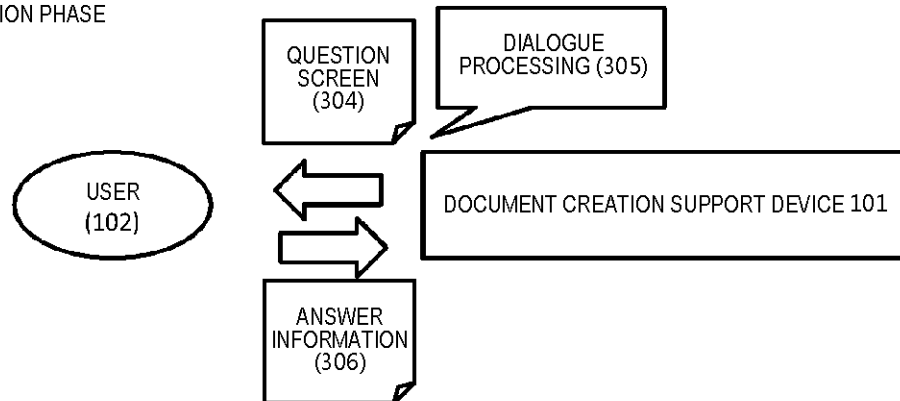
FIG. 2

FIG. 3

1. INITIAL PHASE



2. DOCUMENT INFORMATION COLLECTION PHASE



3. DRAFT VIEWING PHASE

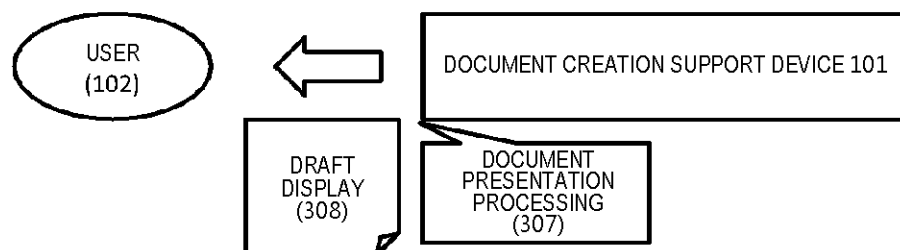
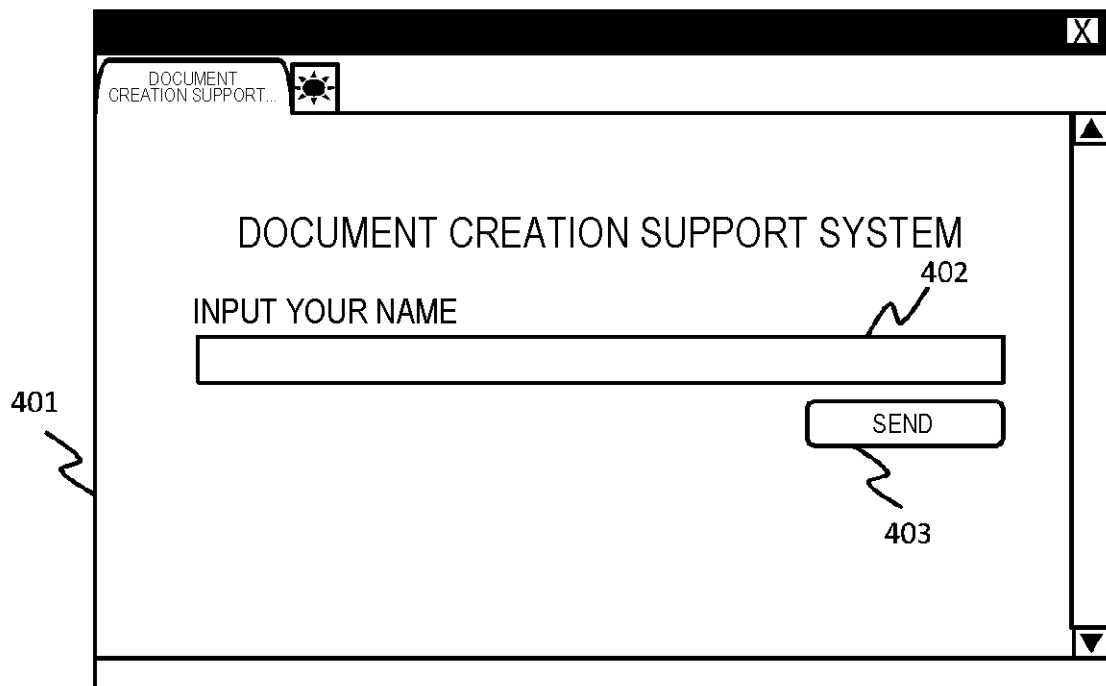


FIG. 4

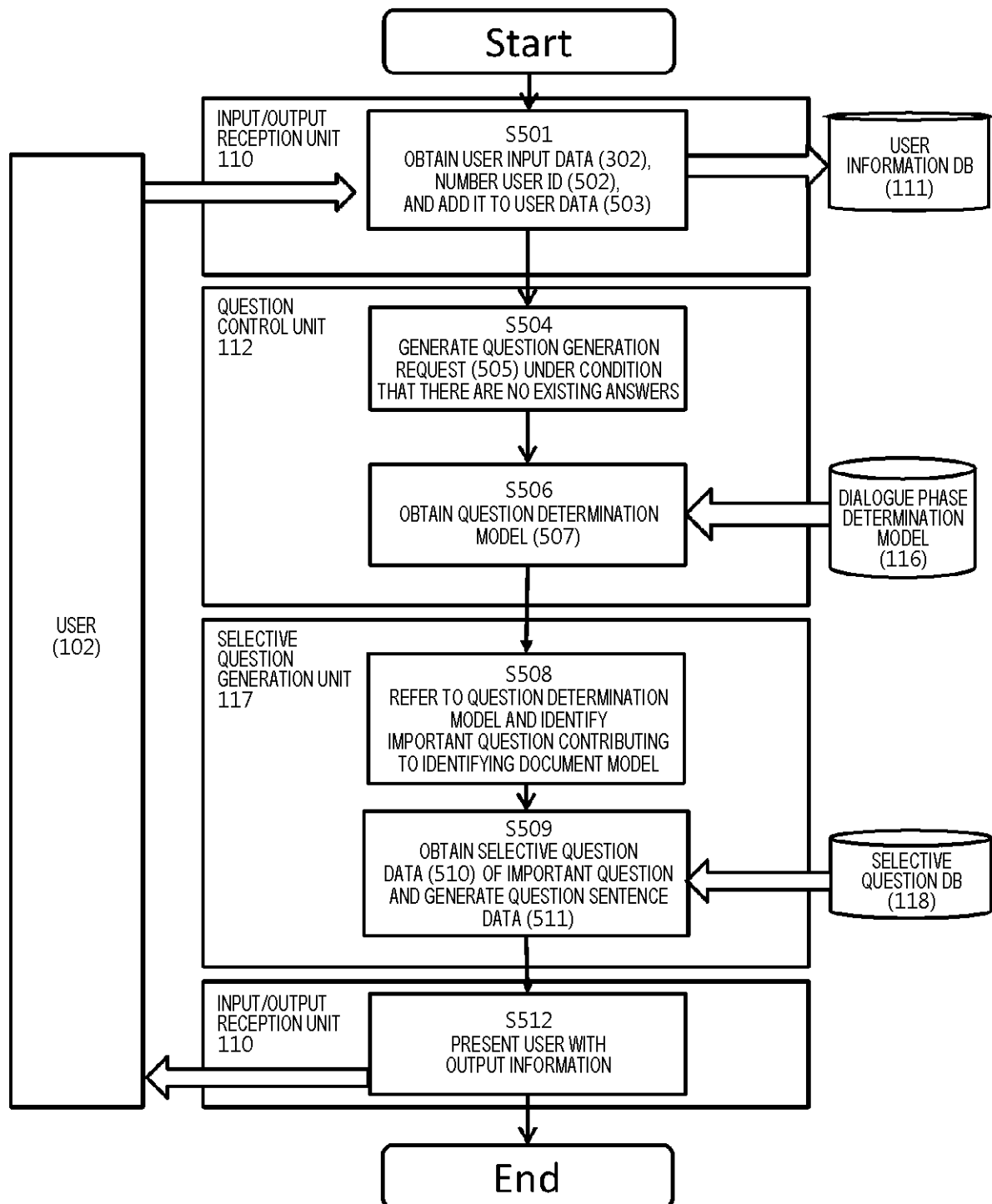
INITIAL SCREEN (301)



5/22

FIG. 5

FLOW OF INITIAL DIALOGUE PROCESSING (303)



6/22

FIG. 6

USER INPUT DATA (302) PASSED FROM USER

ITEM NAME	CONTENT
USER ID (601)	ID FOR IDENTIFYING USER, BLANK WHEN UNDECIDED
USER NAME (602)	STRING REPRESENTING NAME OF USER

FIG. 7

USER DATA (503) OF USER INFORMATION DB (111)

ITEM NAME	CONTENT
USER ID (701)	ID FOR IDENTIFYING USER
USER NAME (702)	STRING REPRESENTING NAME OF USER
DIALOGUE PHASE (703)	CODE VALUE INDICATING ONE OF DOCUMENT MODEL IDENTIFICATION PHASE, DOCUMENT INFORMATION COLLECTION PHASE, AND DRAFT VIEWING PHASE
DOCUMENT MODEL ID (704)	ID OF DOCUMENT MODEL IS STORED WHEN DOCUMENT MODEL HAS BEEN IDENTIFIED. BLANK OTHERWISE.

FIG. 8

QUESTION GENERATION REQUEST (505)

ITEM NAME	CONTENT
USER ID (801)	ID FOR IDENTIFYING USER
USER NAME (802)	STRING REPRESENTING NAME OF USER
ANSWER HISTORY DATA (803)	ARRAY DATA OF PAIR OF QUESTION ID AND ANSWER VALUE

FIG. 9

SELECTIVE QUESTION DATA (510) OF SELECTIVE QUESTION DB

ITEM NAME	CONTENT
QUESTION ID (901)	IDENTIFIER OF QUESTION
QUESTION SENTENCE (902)	QUESTION SENTENCE TO BE PRESENTED TO USER
OPTION LIST (903)	STRING OF OPTION AND CODE VALUE CORRESPONDING TO THE STRING

FIG. 10

QUESTION DETERMINATION MODEL (507) OF DIALOGUE PHASE DETERMINATION MODEL (116)

ITEM NAME		CONTENT
BRANCH 1 (1001)	BRANCH ID (1004)	IDENTIFIER OF THE BRANCH
	QUESTION ID (1005)	QUESTION ID CORRESPONDING TO BRANCH
	ANSWER SPECIFIC DESTINATION (1006)	LIST OF BRANCH IDS FOR EACH ANSWER
BRANCH 2 (1002)	BRANCH ID	IDENTIFIER OF THE BRANCH
	QUESTION ID	QUESTION ID CORRESPONDING TO BRANCH
	ANSWER SPECIFIC DESTINATION	LIST OF BRANCH IDS FOR EACH ANSWER
...		...
RESULT 1 (1003)	BRANCH ID (1007)	IDENTIFIER OF THE BRANCH
	DOCUMENT MODEL ID (1008)	DOCUMENT MODEL ID CORRESPONDING TO THIS RESULT
...		...

FIG. 11

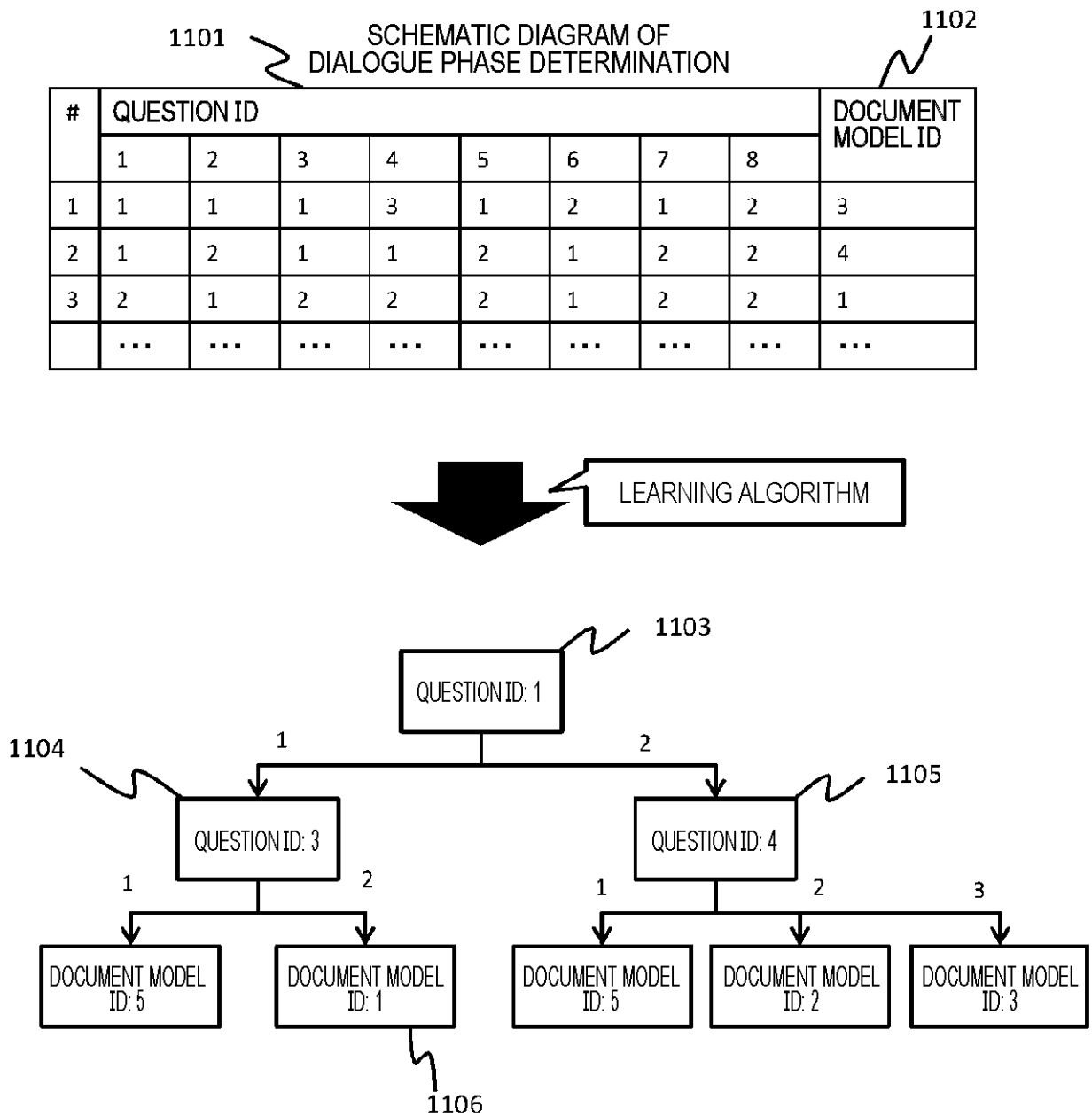


FIG. 12

QUESTION SENTENCE DATA (511)

ITEM NAME	CONTENT
USER ID (1201)	ID FOR IDENTIFYING USER
QUESTION ID (1202)	IDENTIFIER OF QUESTION
QUESTION TYPE (1203)	CODE VALUE INDICATING ONE OF SELECTIVE QUESTION AND DESCRIPTIVE QUESTION
QUESTION SENTENCE (1204)	TEXT OF QUESTION SENTENCE
ANSWER INFORMATION (1205)	FOR SELECTIVE QUESTION, COLUMN OF OPTIONS AND OPTION CODE VALUES INDICATING EACH OPTION. FOR DESCRIPTIVE QUESTION, NAME OF ITEM FOR WHICH ANSWER IS REQUESTED

FIG. 13

QUESTION SCREEN (304) ON SELECTIVE QUESTION

1301

DOCUMENT CREATION SUPPORT SYSTEM

OZAWA-SAN, THERE IS A QUESTION.
IS IT OUTDOOR EQUIPMENT THAT YOU HAVE CHECKED?

☒ YES, OUTDOOR EQUIPMENT IS INCLUDED. 1302

☐ IT IS NOT OUTDOOR EQUIPMENT.

ANSWER 1303

10/22

FIG. 14

FLOW OF DIALOGUE PROCESSING (305)

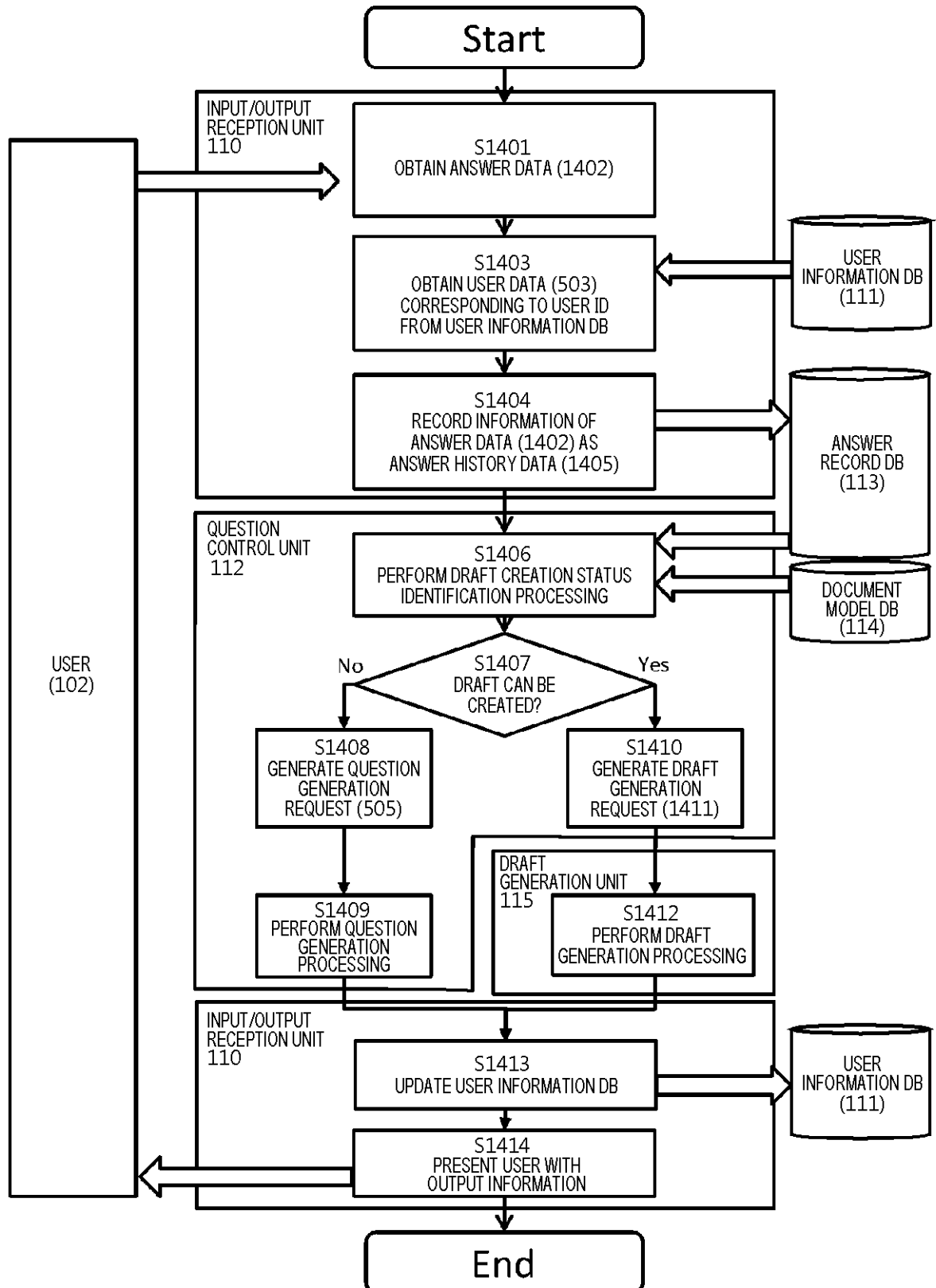


FIG. 15

ANSWER DATA (1402)

ITEM NAME	CONTENT
USER ID (1501)	ID FOR IDENTIFYING USER
QUESTION ID (1502)	IDENTIFIER OF QUESTION
QUESTION TYPE (1503)	CODE VALUE INDICATING ONE OF SELECTIVE QUESTION AND DESCRIPTIVE QUESTION
ANSWER CONTENT (1504)	FOR SELECTIVE QUESTION, OPTION CODE VALUE. FOR DESCRIPTIVE QUESTION, STRING OF ANSWER

FIG. 16

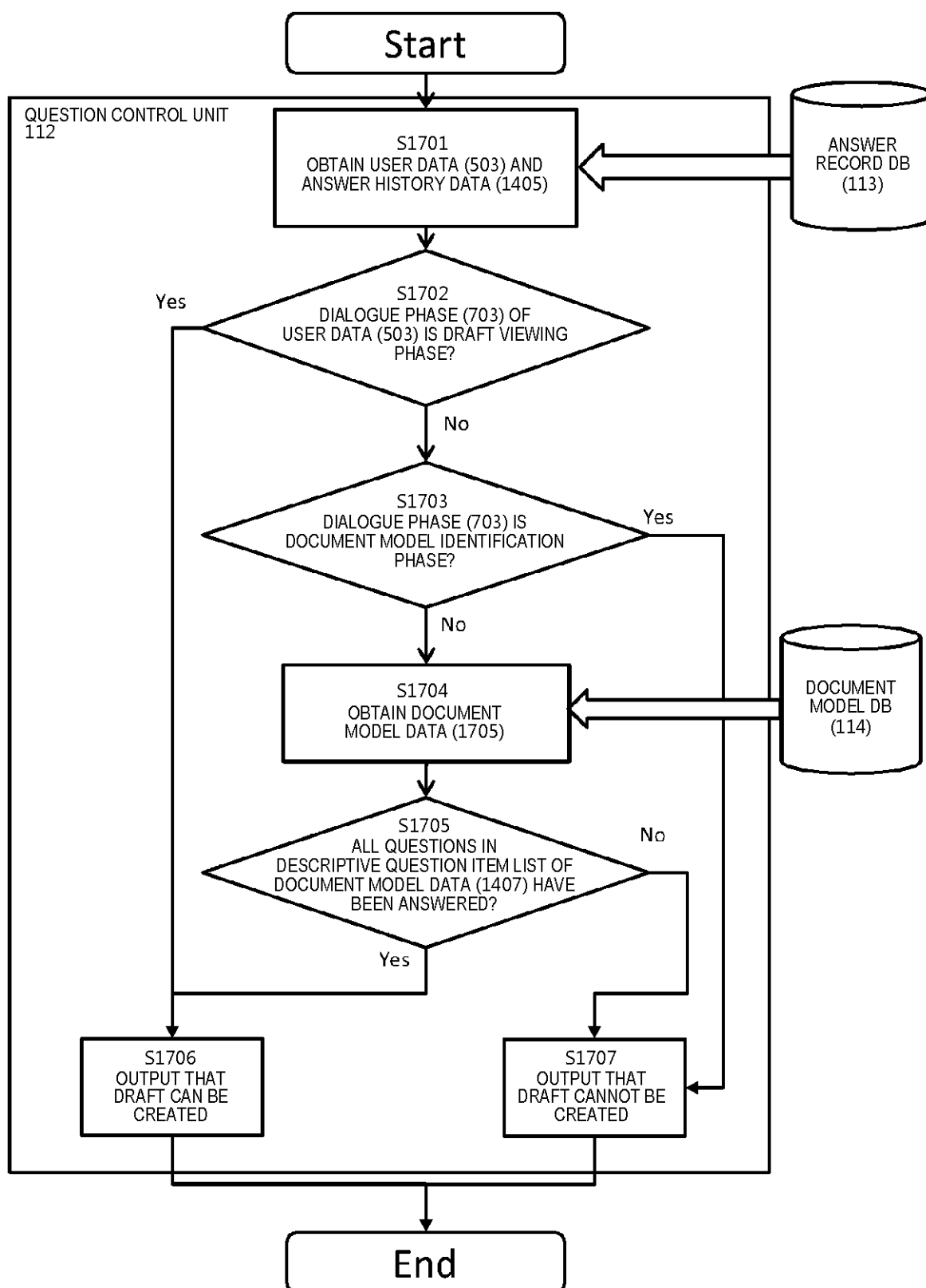
ANSWER HISTORY DATA (1405)

ITEM NAME	CONTENT
USER ID (1601)	ID FOR IDENTIFYING USER
QUESTION ID (1602)	IDENTIFIER OF QUESTION
QUESTION TYPE (1603)	CODE VALUE INDICATING ONE OF SELECTIVE QUESTION AND DESCRIPTIVE QUESTION
ANSWER CONTENT (1604)	FOR SELECTIVE QUESTION, OPTION CODE VALUE. FOR DESCRIPTIVE QUESTION, STRING OF ANSWER

12/22

FIG. 17

DRAFT CREATION STATUS IDENTIFICATION PROCESSING (S1406)
OF QUESTION CONTROL UNIT



End

FIG. 18

DOCUMENT MODEL DATA (1705) OF DOCUMENT MODEL DB (505)

ITEM NAME	CONTENT
DOCUMENT MODEL ID (1801)	IDENTIFIER FOR IDENTIFYING TYPE OF DOCUMENT
DRAFT TEMPLATE (1802)	TEMPLATE OF DRAFT, IN KEYWORD REPLACEMENT PART, QUESTION ID ENCLOSED IN CURLY BRACES {} IS DESCRIBED
DESCRIPTIVE QUESTION ITEM LIST (1803)	LIST OF QUESTION ID CORRESPONDING TO KEYWORD

FIG. 19

EXAMPLE OF DOCUMENT MODEL DATA

DOCUMENT MODEL ID (1901)	DRAFT TEMPLATE (1902)	DESCRIPTIVE QUESTION ITEM LIST (1903)
1	SURVEY NAME: {1} THIS SURVEY IS TO DETERMINE ADOPTION OR REJECTION OF NEW TECHNOLOGY IN NEXT PRODUCT {13} BY QUANTITATIVE EVALUATION OF {2}. ...	{1,2,13}
2	SURVEY NAME: {1} THIS SURVEY IS TO DETERMINE APPLICABILITY OF NEW TECHNOLOGY TO NEXT PRODUCT {13} BY INVESTIGATING BEHAVIOR OF {2}. ...	{1,2,13}
3	SURVEY NAME: {1} THIS SURVEY IS TO EXAMINE RELATIONSHIP OF NEW TECHNOLOGY RELATED TO {3} WITH CURRENT PRODUCT {14}. ...	{1,3,14}
...	...	...

FIG. 20

QUESTION GENERATION PROCESSING (S1409)

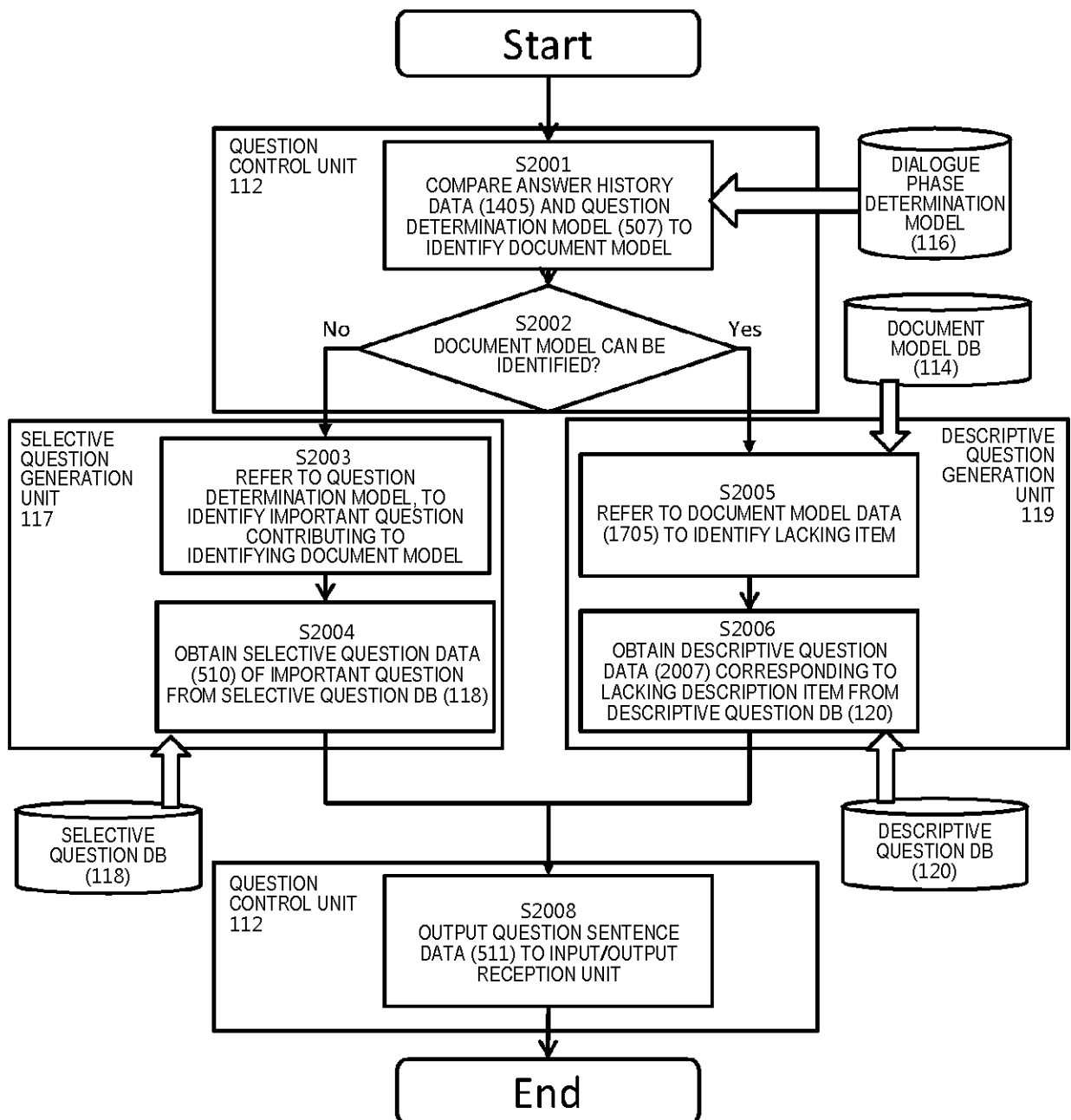


FIG. 21

DESCRIPTIVE QUESTION DATA (2007) OF DESCRIPTIVE QUESTION DB

ITEM NAME	CONTENT
QUESTION ID (2101)	CORRESPOND TO IDENTIFIER OF QUESTION AND QUESTION ID (901) OF QUESTION SENTENCE DATA (506)
QUESTION SENTENCE (2102)	QUESTION SENTENCE TO BE PRESENTED TO USER
ANSWER ITEM NAME (2103)	NAME OF ITEM FOR WHICH ANSWER IS REQUESTED

FIG. 22

QUESTION SCREEN (304) ON DESCRIPTIVE QUESTION

2201

DOCUMENT CREATION SUPPORT SYSTEM

OZAWA-SAN, THERE IS A QUESTION.
WHAT IS OUTDOOR EQUIPMENT YOU HAVE CHECKED?

NAME OF OUTDOOR EQUIPMENT *N* 2202

ANSWER 2203

FIG. 23

DRAFT GENERATION REQUEST (1411)

ITEM NAME	CONTENT
USER ID (2301)	ID FOR IDENTIFYING USER
USER NAME (2302)	STRING REPRESENTING NAME OF USER
DOCUMENT MODE ID (2303)	IDENTIFIER FOR IDENTIFYING TYPE OF DOCUMENT

FIG. 24

DRAFT GENERATION PROCESSING (S1412)

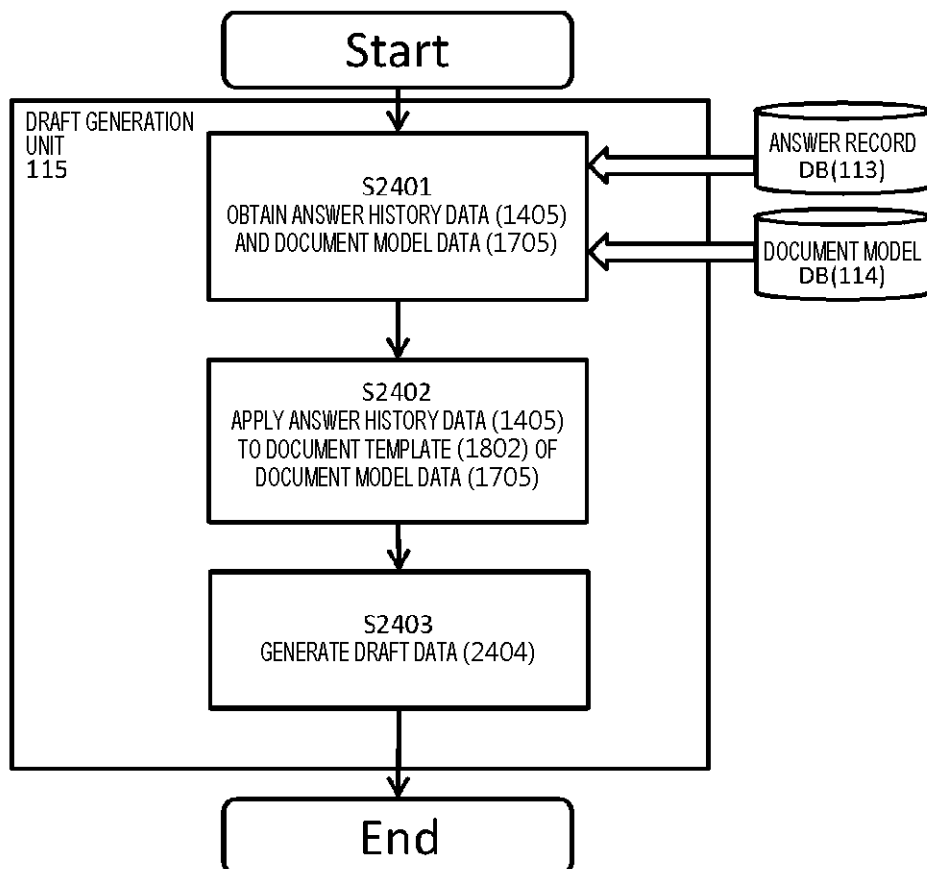


FIG. 25

DRAFT DATA (2404)

ITEM NAME	CONTENT
USER ID (2501)	ID FOR IDENTIFYING USER
USER NAME (2502)	STRING REPRESENTING NAME OF USER
DRAFT TEXT (2503)	TEXT OF GENERATED DRAFT

FIG. 26

DRAFT DISPLAY (312)

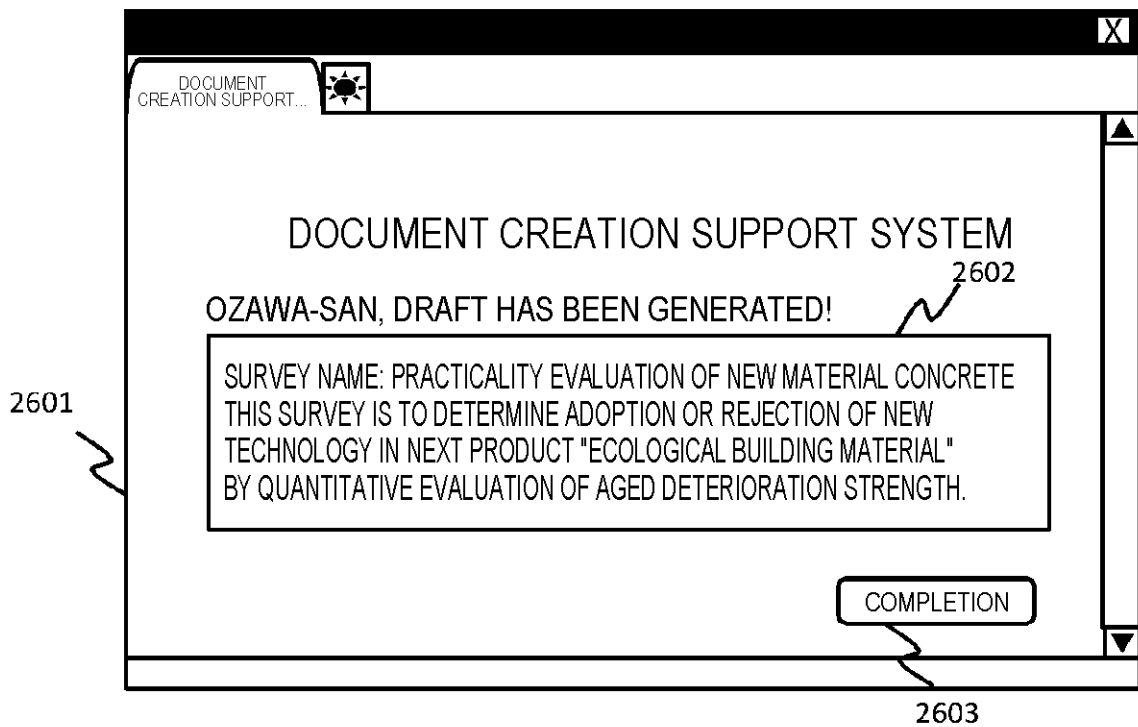


FIG. 27

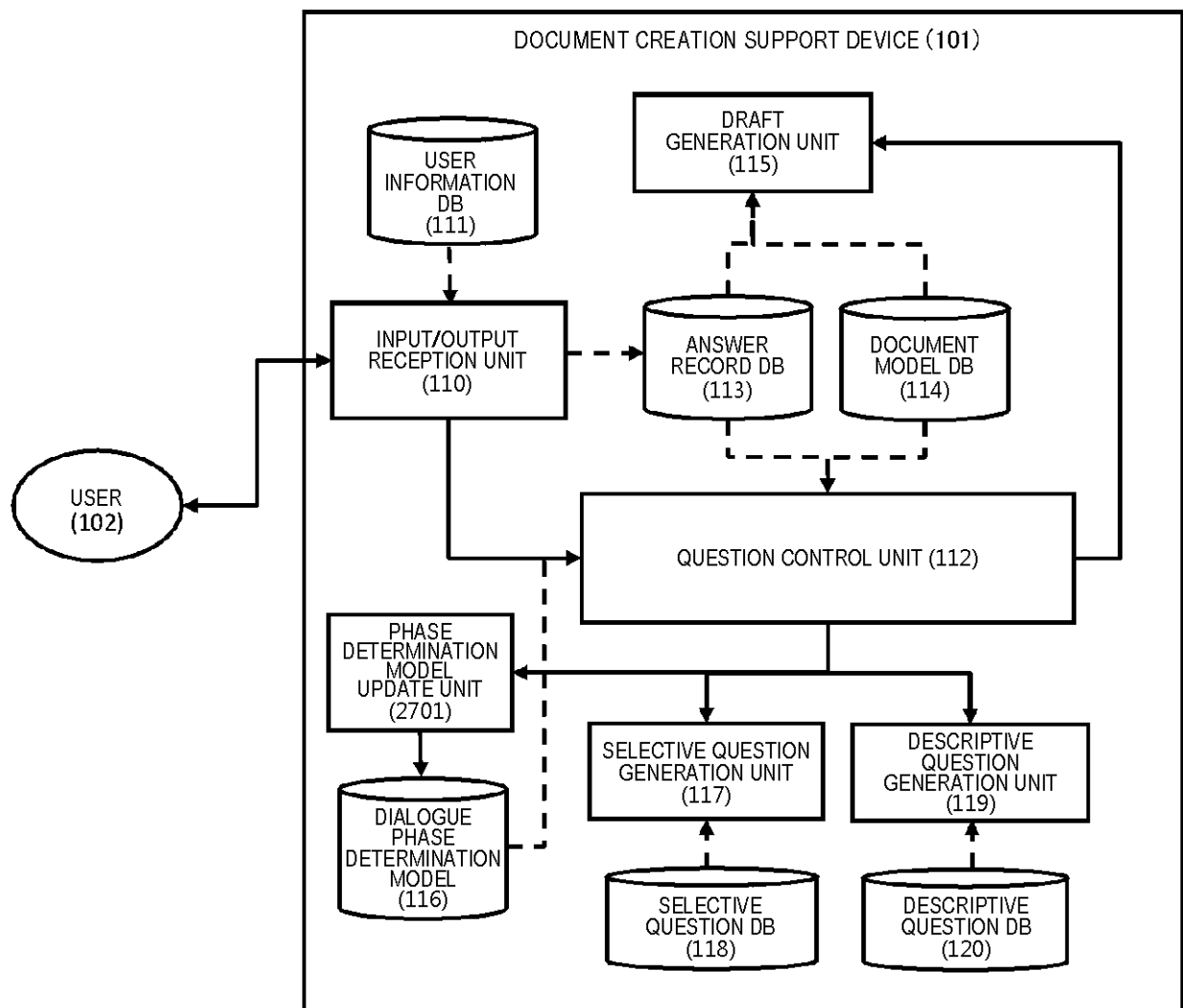


FIG. 28

QUESTION DETERMINATION MODEL (507) OF DIALOGUE PHASE DETERMINATION MODEL (116)

ITEM NAME		CONTENT
BRANCH 1 (901)	BRANCH ID (904)	IDENTIFIER OF THE BRANCH
	QUESTION ID (905)	QUESTION ID CORRESPONDING TO BRANCH
	ANSWER SPECIFIC DESTINATION (906)	LIST OF BRANCH IDS FOR EACH ANSWER
BRANCH 2 (902)	BRANCH ID	IDENTIFIER OF THE BRANCH
	QUESTION ID	QUESTION ID CORRESPONDING TO BRANCH
	ANSWER SPECIFIC DESTINATION	LIST OF BRANCH IDS FOR EACH ANSWER
...		...
RESULT 1 (903)	BRANCH ID (907)	IDENTIFIER OF THE BRANCH
	QUESTION ID (2801)	QUESTION ID CORRESPONDING TO THIS CONDITION
	DOCUMENT MODEL ID (2802)	DOCUMENT MODEL ID CORRESPONDING TO THIS RESULT
	COUNT (2803)	NUMBER OF TIMES THIS BRANCH HAS BEEN SELECTED
	QUESTION ID	QUESTION ID CORRESPONDING TO THIS CONDITION
	DOCUMENT MODEL ID	DOCUMENT MODEL ID CORRESPONDING TO THIS RESULT
	COUNT	NUMBER OF TIMES THIS BRANCH HAS BEEN SELECTED
	...	
...		...

FIG. 29

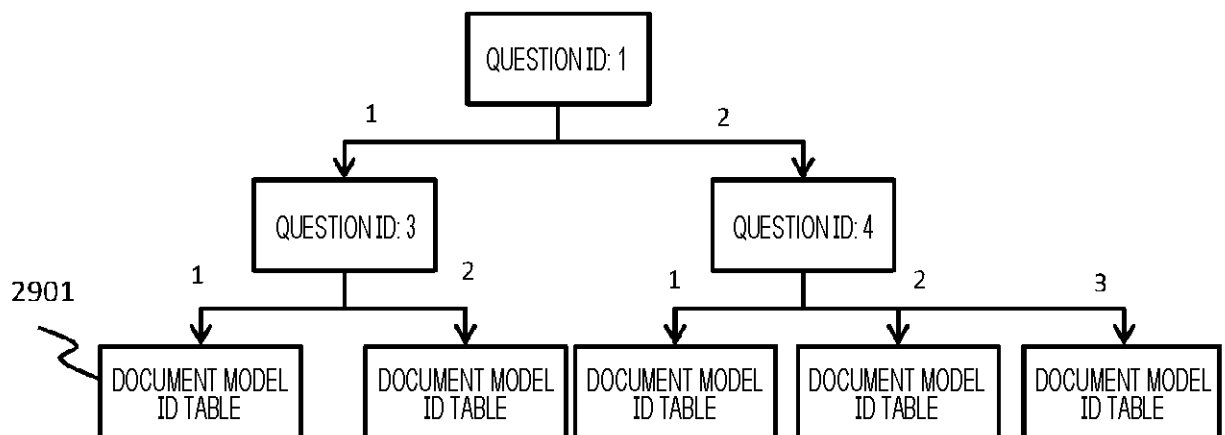
2903

SCHEMATIC DIAGRAM OF DIALOGUE PHASE DETERMINATION

#	QUESTION ID								DOCUMENT MODEL ID
	1	2	3	4	5	6	7	8	
1	1	1	1	3	1	2	1	2	3
2	1	2	1	1	2	1	2	2	4
3	2	1	2	2	2	1	2	2	1
	...	...	...	...	...	...	...	...	...



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2902

QUESTION ID	DOCUMENT MODEL ID	COUNT
101	1	10
102	2	22
103	3	19
...	...	...

FIG. 30

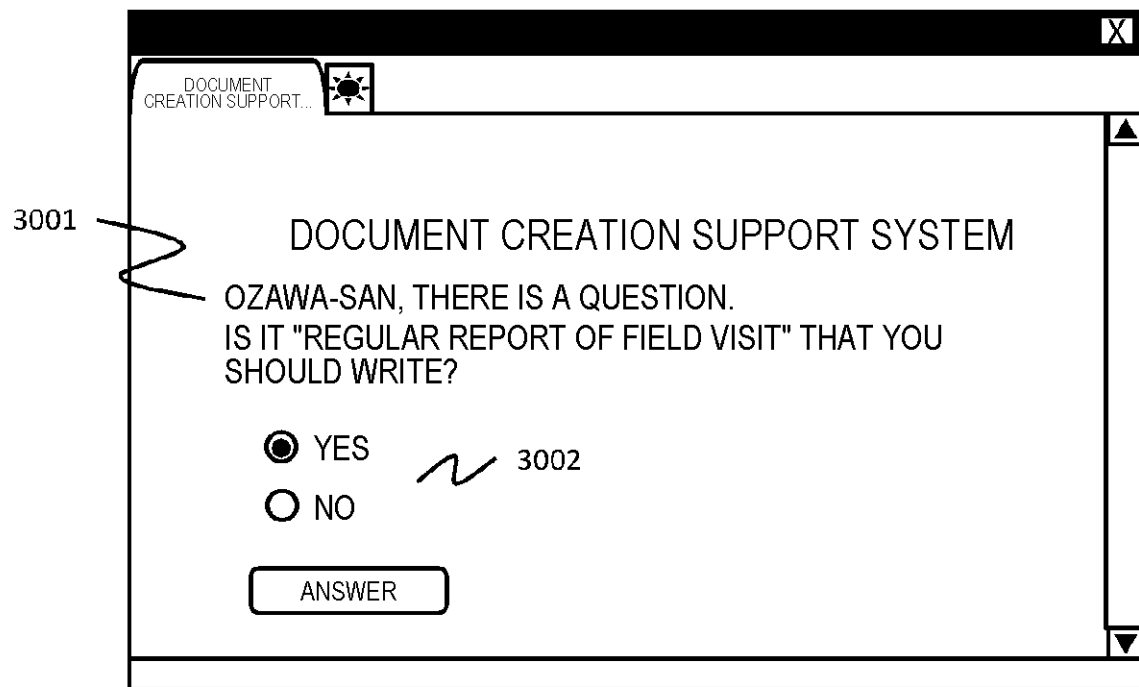


FIG. 31 FLOW OF DIALOGUE PROCESSING (305) OF SECOND EMBODIMENT

