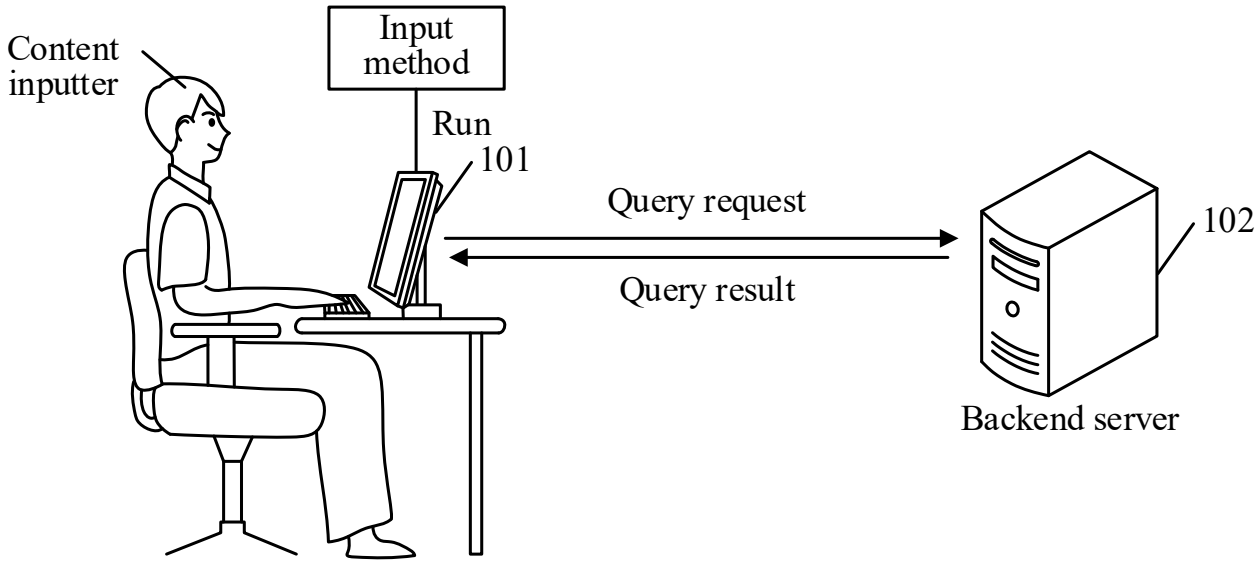
Content inputter
Input method
Run
101
Query request
Query result
102
Backend server

FIG. 1

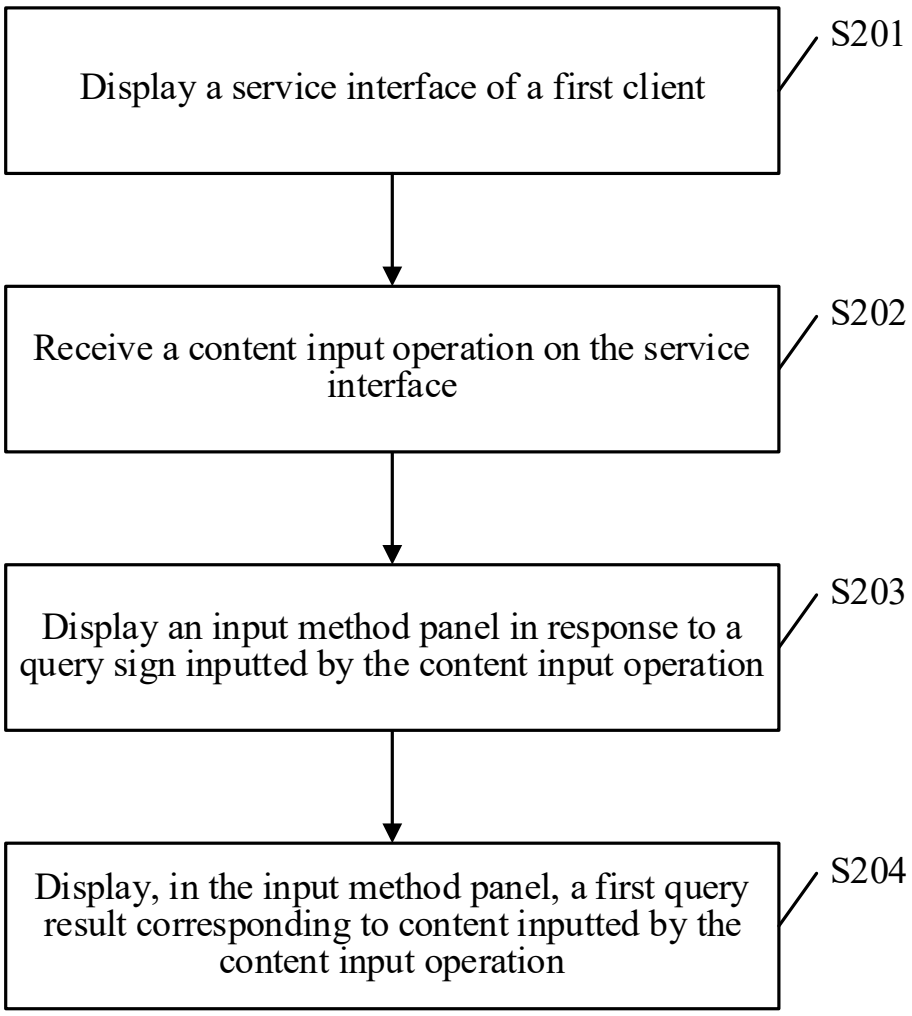
Display a service interface of a first client
S201
Receive a content input operation on the service interface
S202
Display an input method panel in response to a query sign inputted by the content input operation
S203
Display, in the input method panel, a first query result corresponding to content inputted by the content input operation
S204

FIG. 2

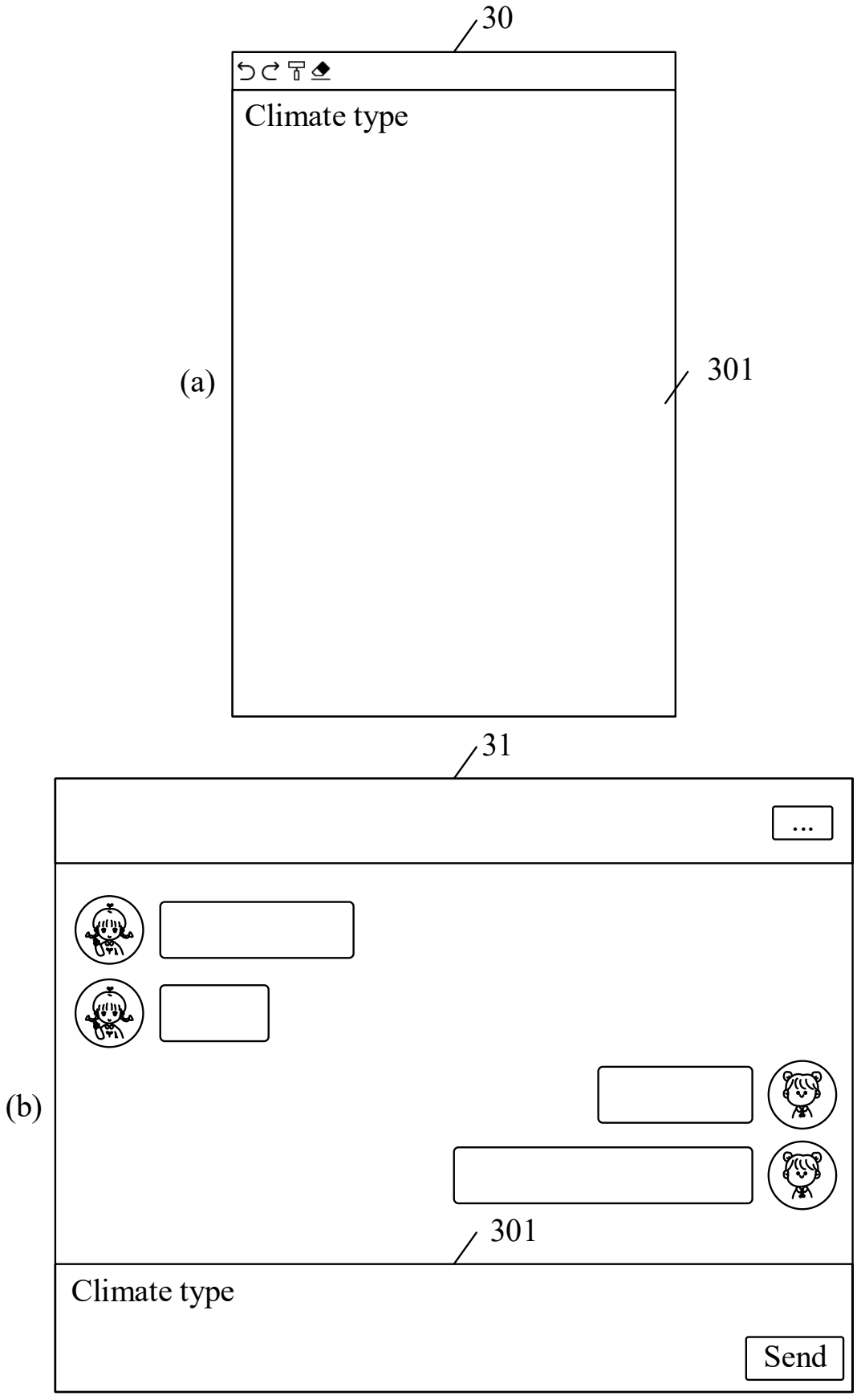

FIG. 3

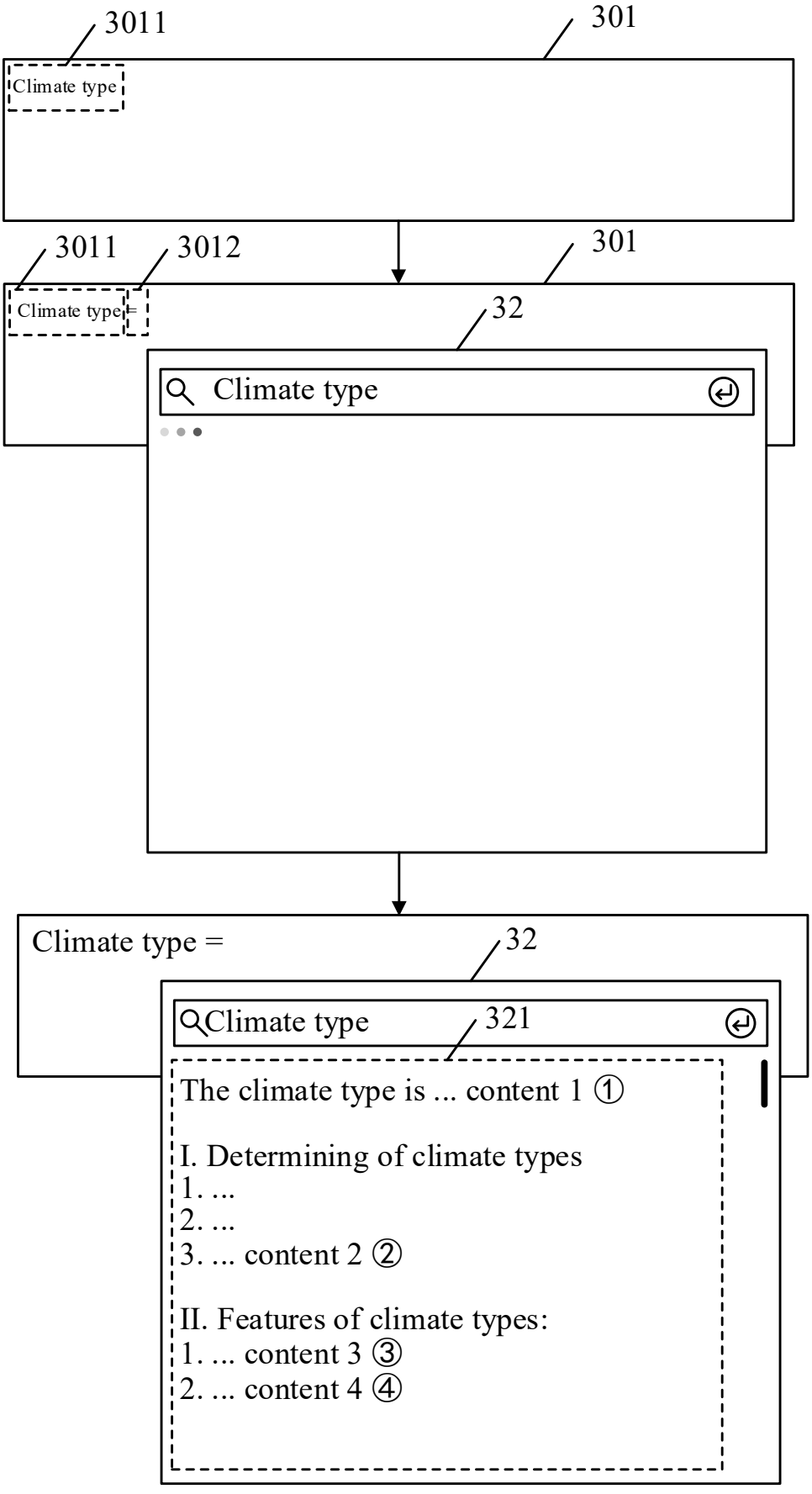
3011
301
Climate type
3011
3012
301
Climate type =
32
Climate type
Climate type =
32
Climate type
321
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④

FIG. 4a

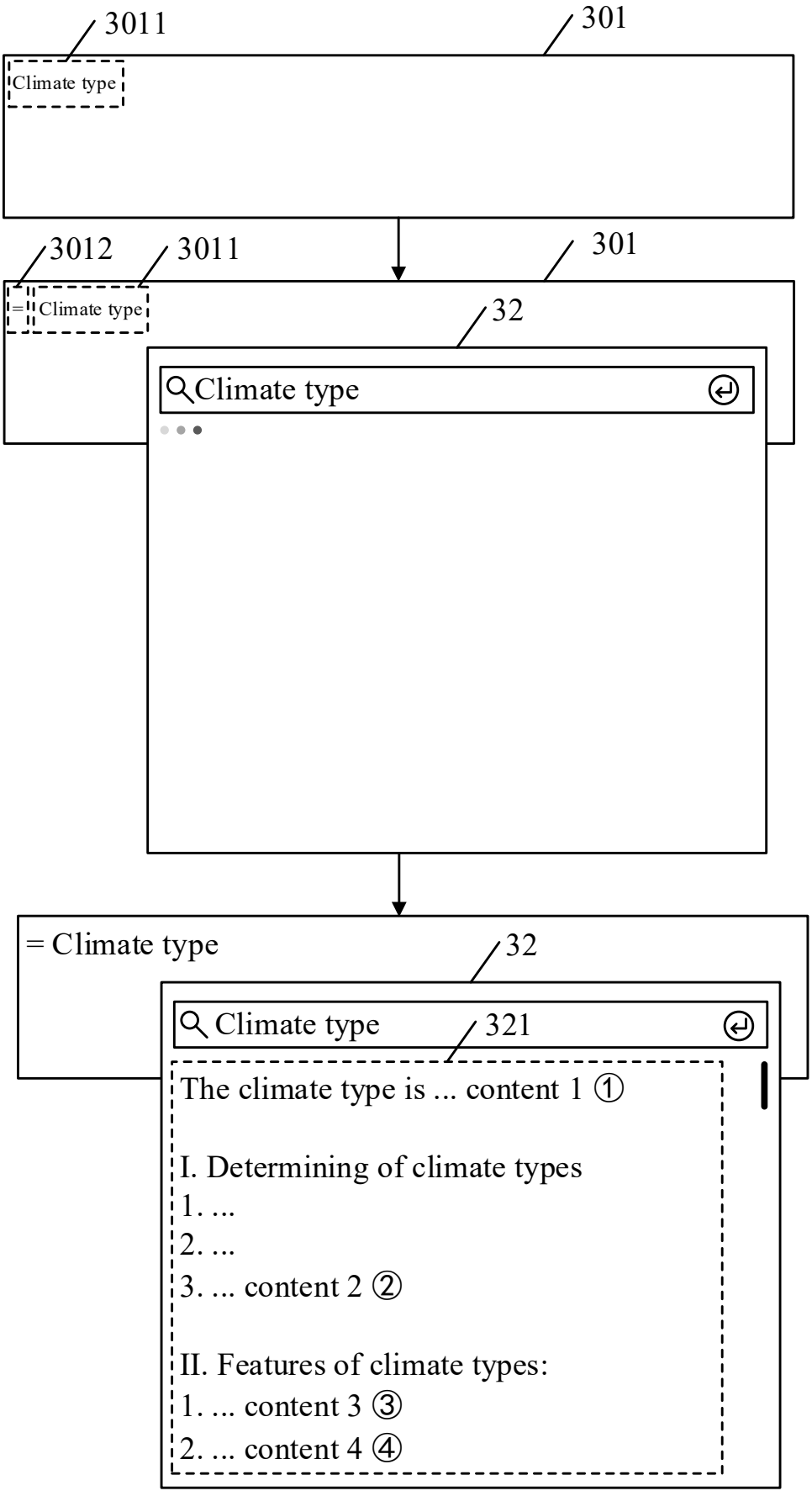
3011
301
Climate type
3012
3011
301
= Climate type
32
Climate type
= Climate type
32
Climate type
321
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④

FIG. 4b

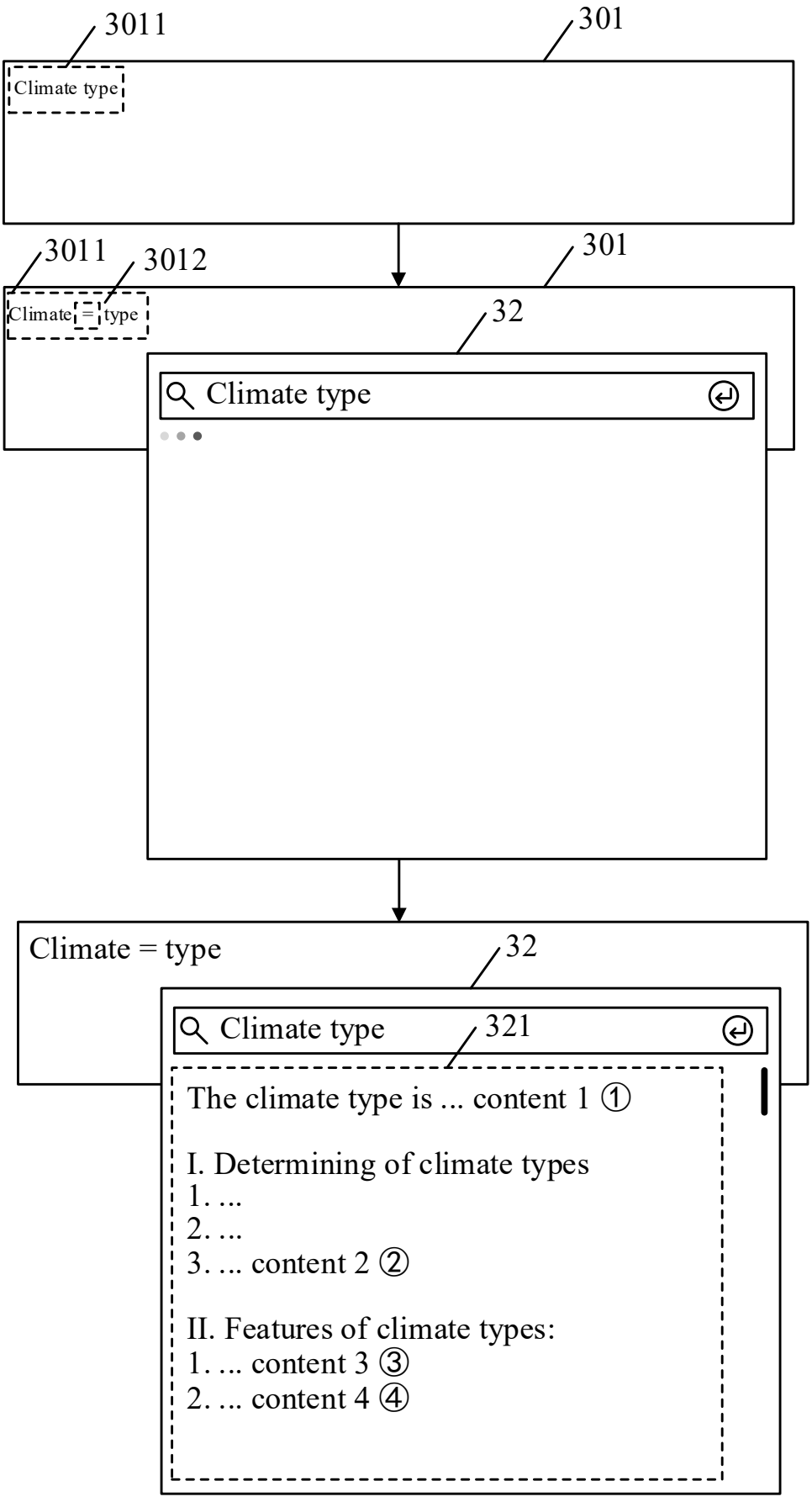
3011
301
Climate type
3011
3012
301
Climate = type
32
Climate type
Climate = type
32
Climate type
321
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④

FIG. 4c

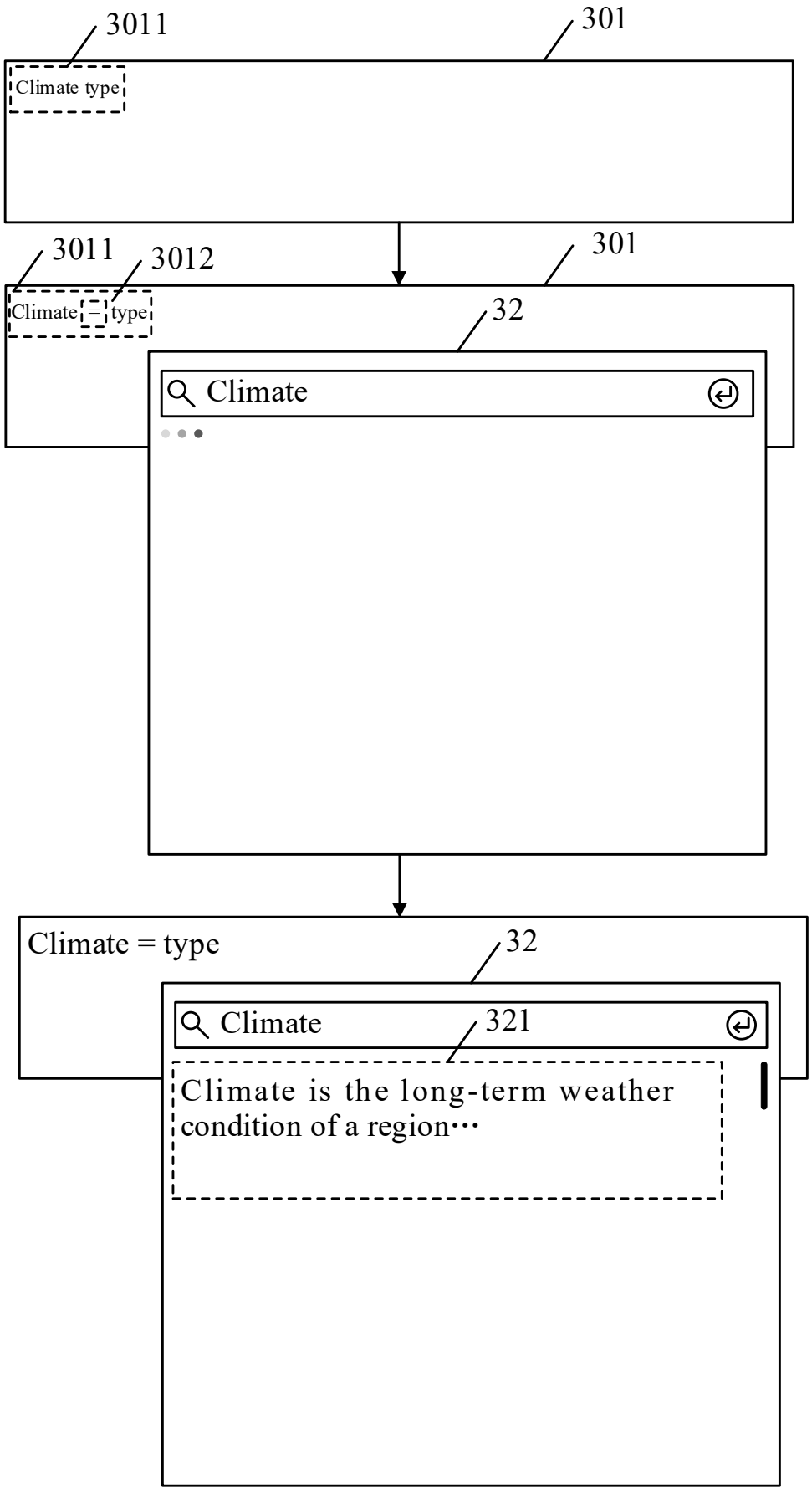
3011
301
Climate type
3011
3012
301
Climate = type
32
Climate
Climate = type
32
Climate
321
Climate is the long-term weather condition of a region…

FIG. 5

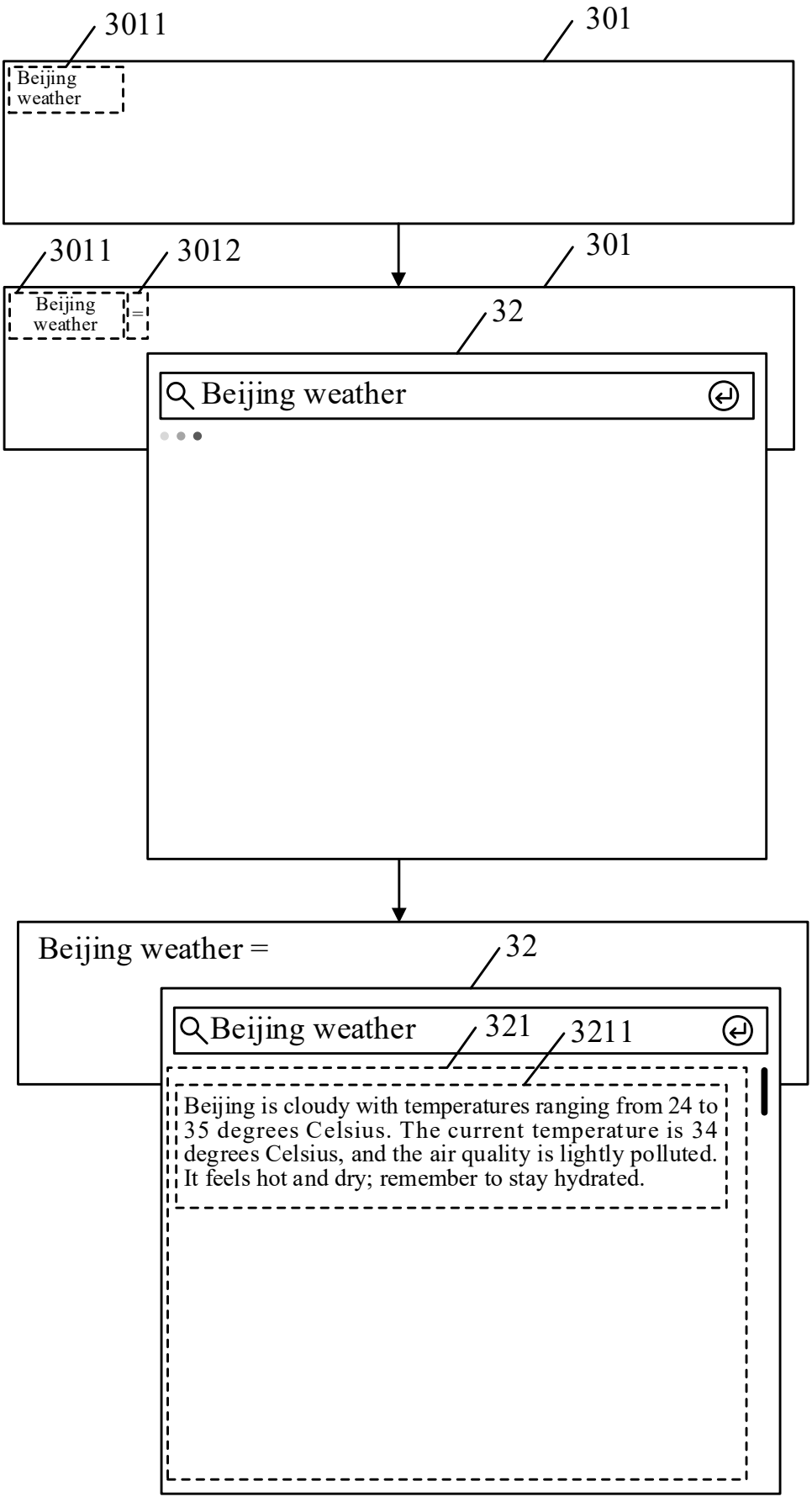
3011
301
Beijing weather
3011
3012
301
Beijing weather
=
32
Beijing weather
Beijing weather =
32
Beijing weather
321
3211
Beijing is cloudy with temperatures ranging from 24 to 35 degrees Celsius. The current temperature is 34 degrees Celsius, and the air quality is lightly polluted. It feels hot and dry; remember to stay hydrated.

FIG. 6

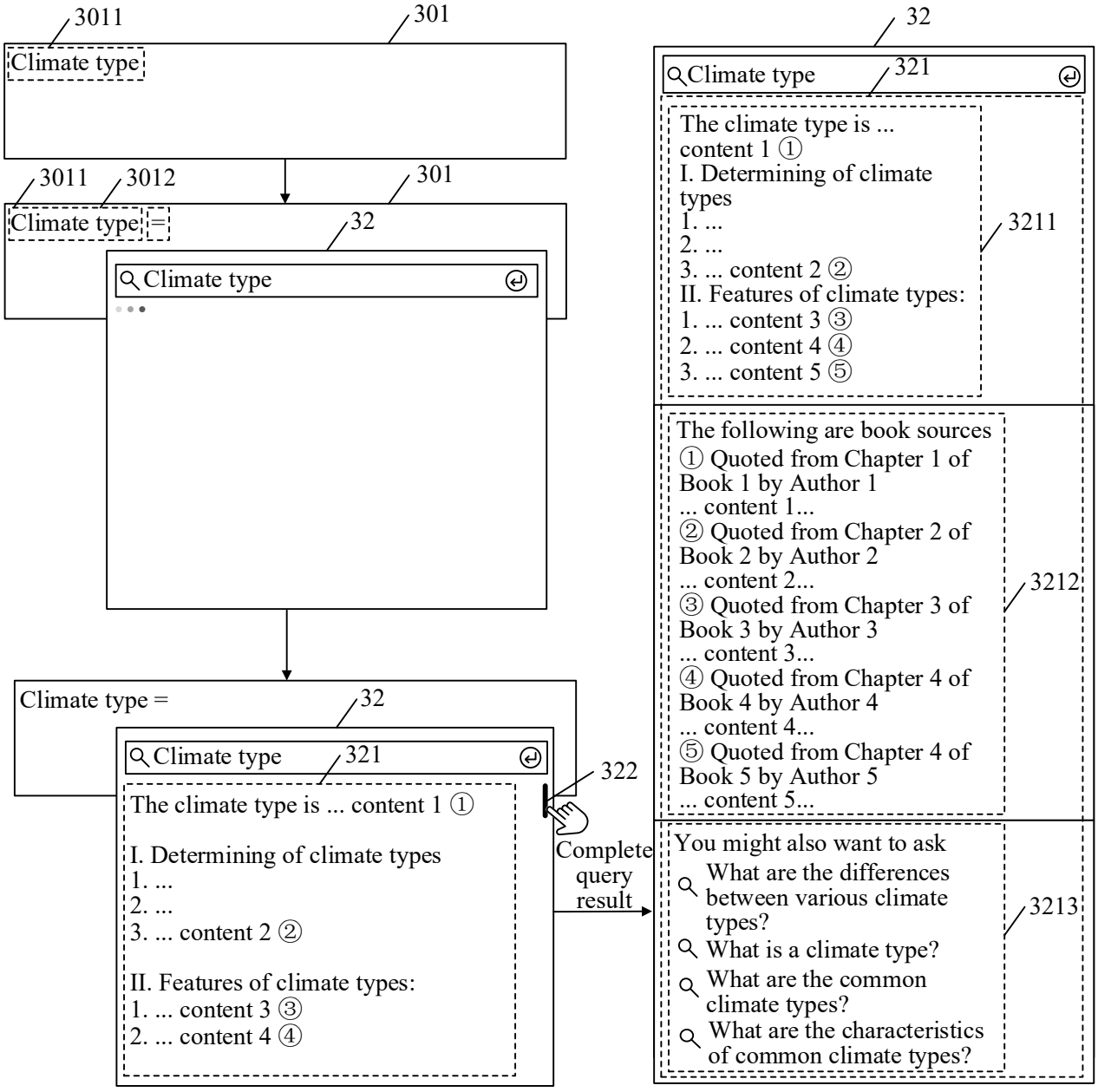
3011
301
Climate type
3011
3012
301
Climate type =
32
Climate type
Climate type =
32
Climate type
321
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
322
Complete query result
32
Climate type
321
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
3. ... content 5 ⑤
3211
The following are book sources
① Quoted from Chapter 1 of Book 1 by Author 1
... content 1...
② Quoted from Chapter 2 of Book 2 by Author 2
... content 2...
③ Quoted from Chapter 3 of Book 3 by Author 3
... content 3...
④ Quoted from Chapter 4 of Book 4 by Author 4
... content 4...
⑤ Quoted from Chapter 4 of Book 5 by Author 5
... content 5...
3212
You might also want to ask
What are the differences between various climate types?
What is a climate type?
What are the common climate types?
What are the characteristics of common climate types?
3213

FIG. 7

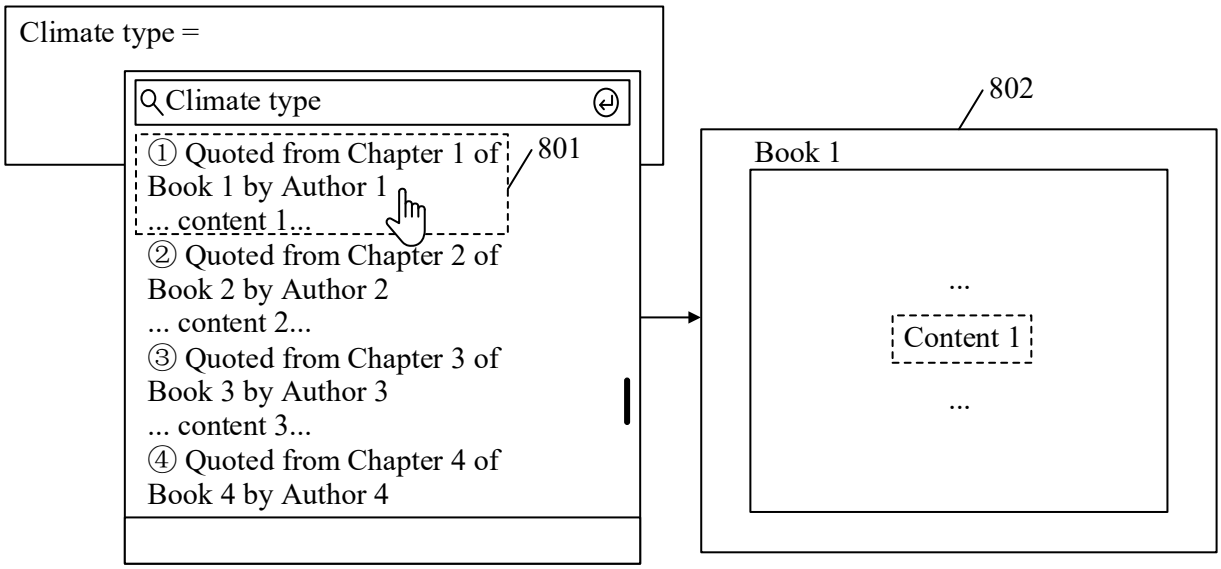
Climate type =
Climate type
① Quoted from Chapter 1 of Book 1 by Author 1
... content 1...
② Quoted from Chapter 2 of Book 2 by Author 2
... content 2...
③ Quoted from Chapter 3 of Book 3 by Author 3
... content 3...
④ Quoted from Chapter 4 of Book 4 by Author 4
801
802
Book 1
...
Content 1
...

FIG. 8

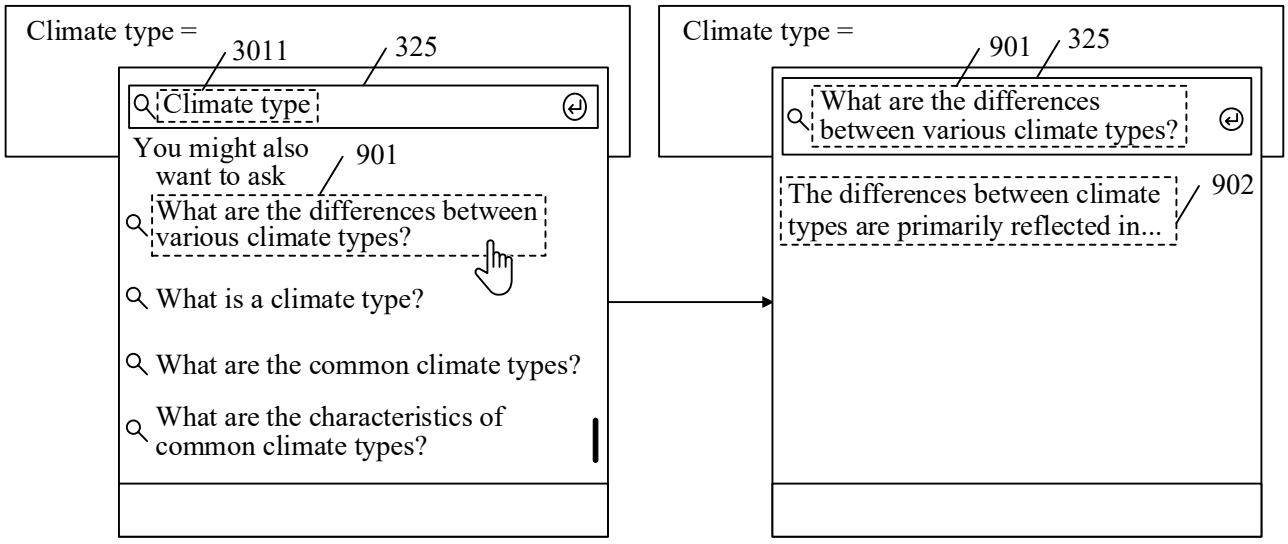
Climate type =
3011
325
Climate type
You might also want to ask
901
What are the differences between various climate types?
What is a climate type?
What are the common climate types?
What are the characteristics of common climate types?
Climate type =
901
325
What are the differences between various climate types?
The differences between climate types are primarily reflected in...
902

FIG. 9

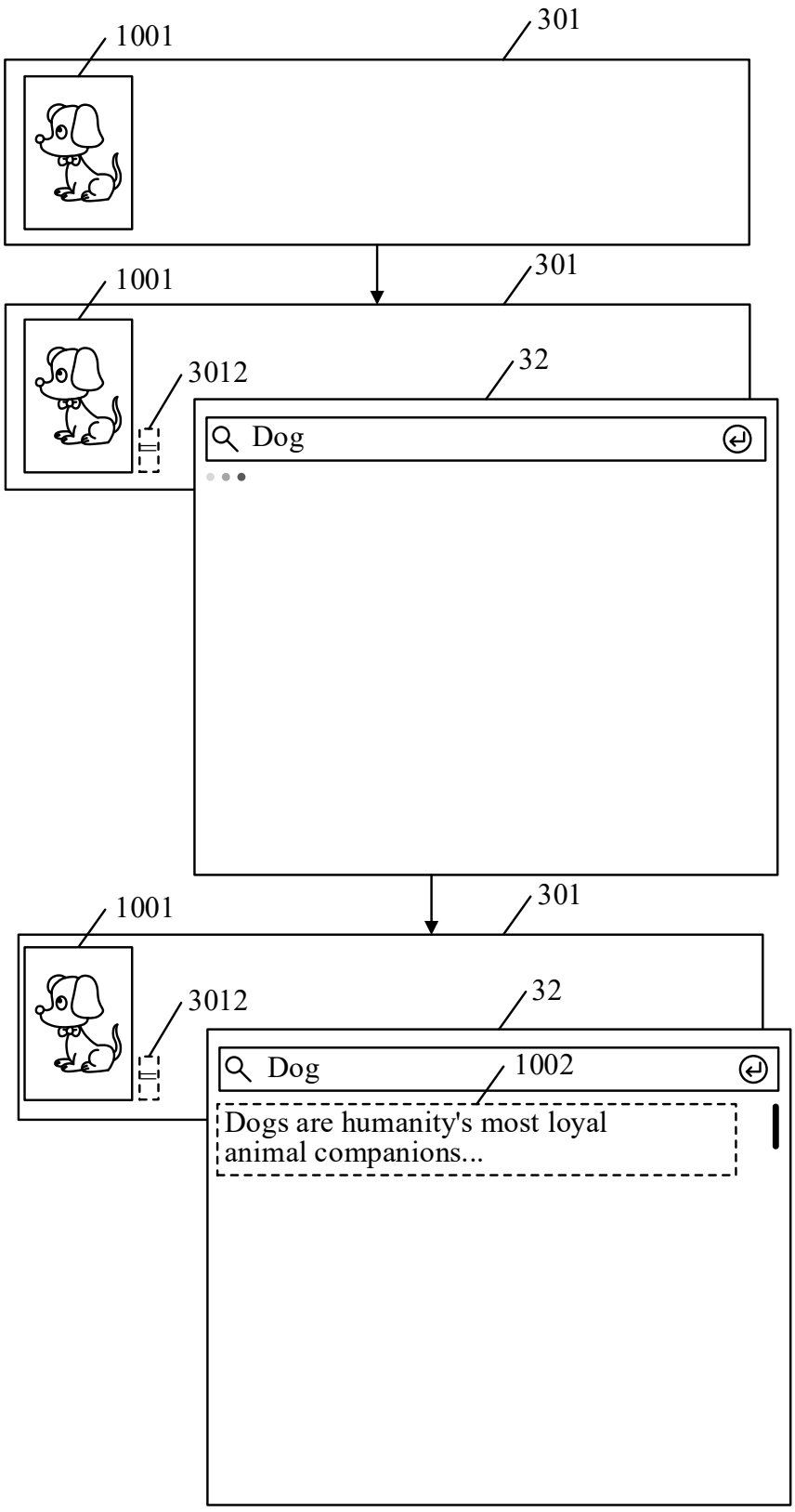
1001
301
1001
301
3012
32
Dog
1001
301
3012
32
Dog
1002
Dogs are humanity's most loyal animal companions...

FIG. 10

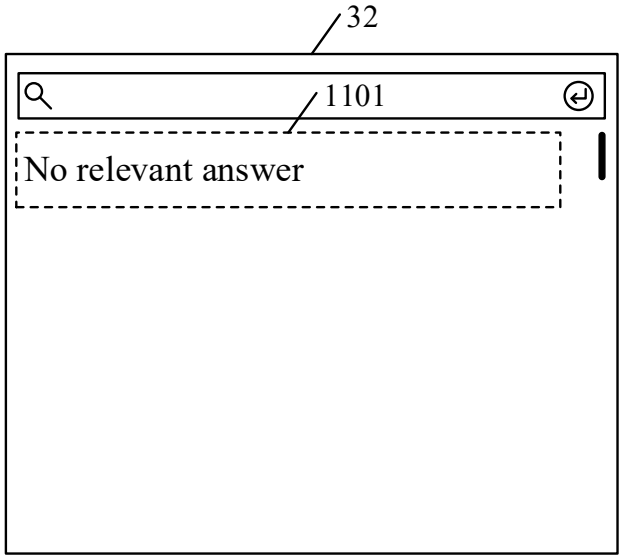

FIG. 11

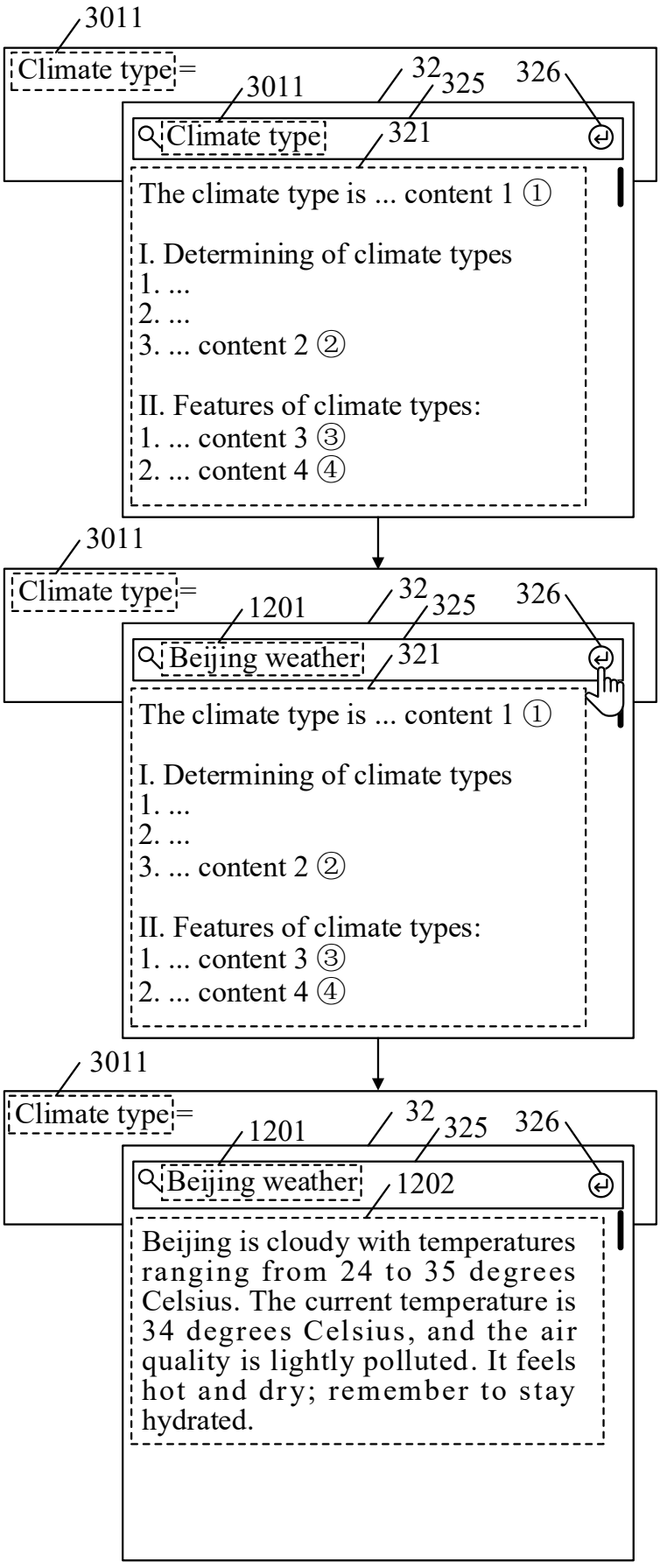
3011
Climate type=
3011
32
325
326
Climate type
321
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
3011
Climate type=
1201
32
325
326
Beijing weather
321
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
3011
Climate type=
1201
32
325
326
Beijing weather
1202
Beijing is cloudy with temperatures ranging from 24 to 35 degrees Celsius. The current temperature is 34 degrees Celsius, and the air quality is lightly polluted. It feels hot and dry; remember to stay hydrated.

FIG. 12

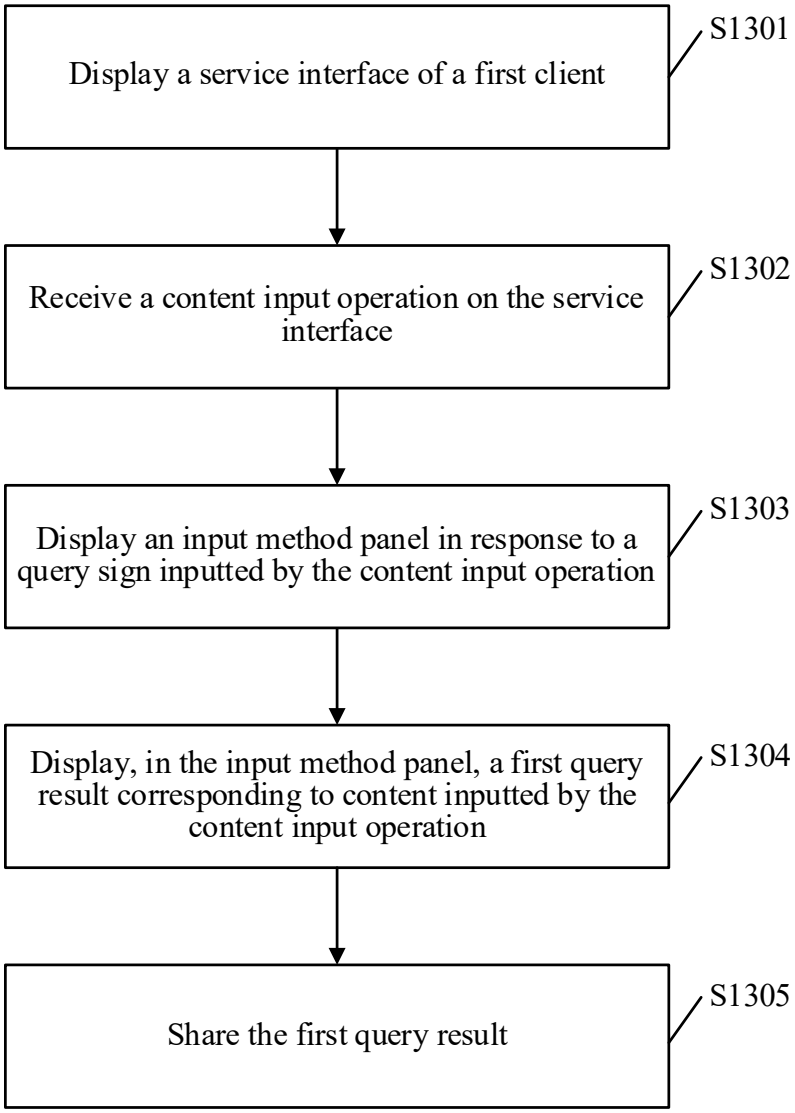
Display a service interface of a first client
S1301
Receive a content input operation on the service interface
S1302
Display an input method panel in response to a query sign inputted by the content input operation
S1303
Display, in the input method panel, a first query result corresponding to content inputted by the content input operation
S1304
Share the first query result
S1305

FIG. 13

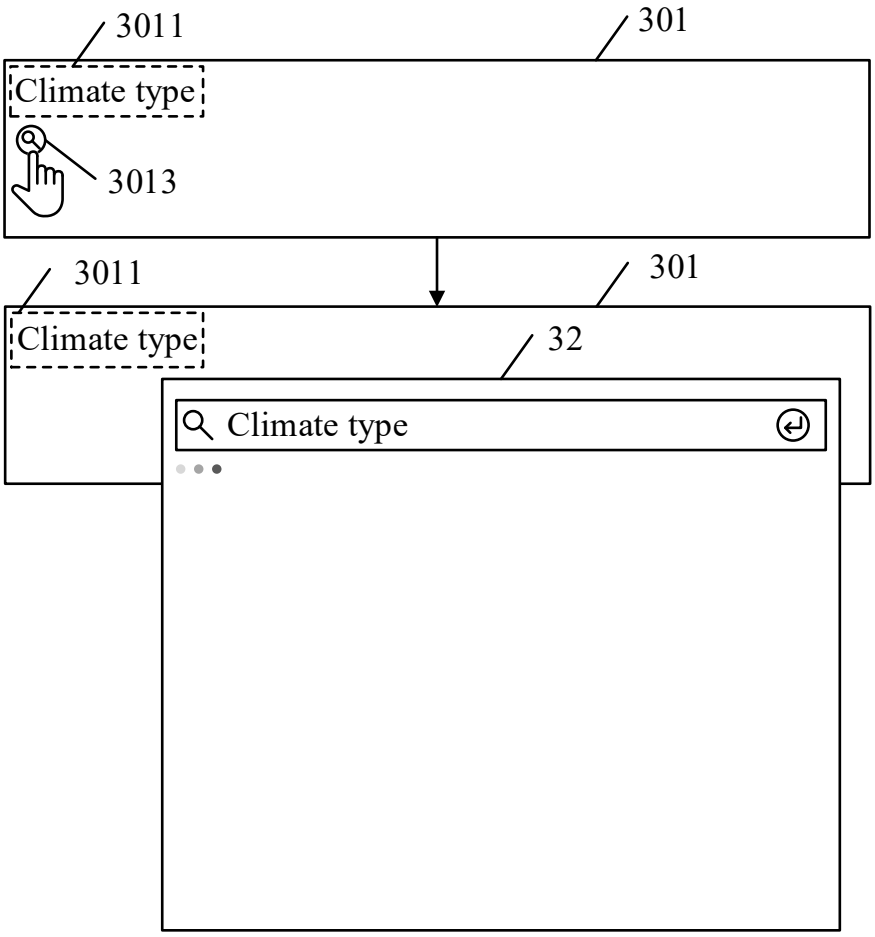
3011
301
Climate type
3013
3011
301
Climate type
32
Climate type

FIG. 14a

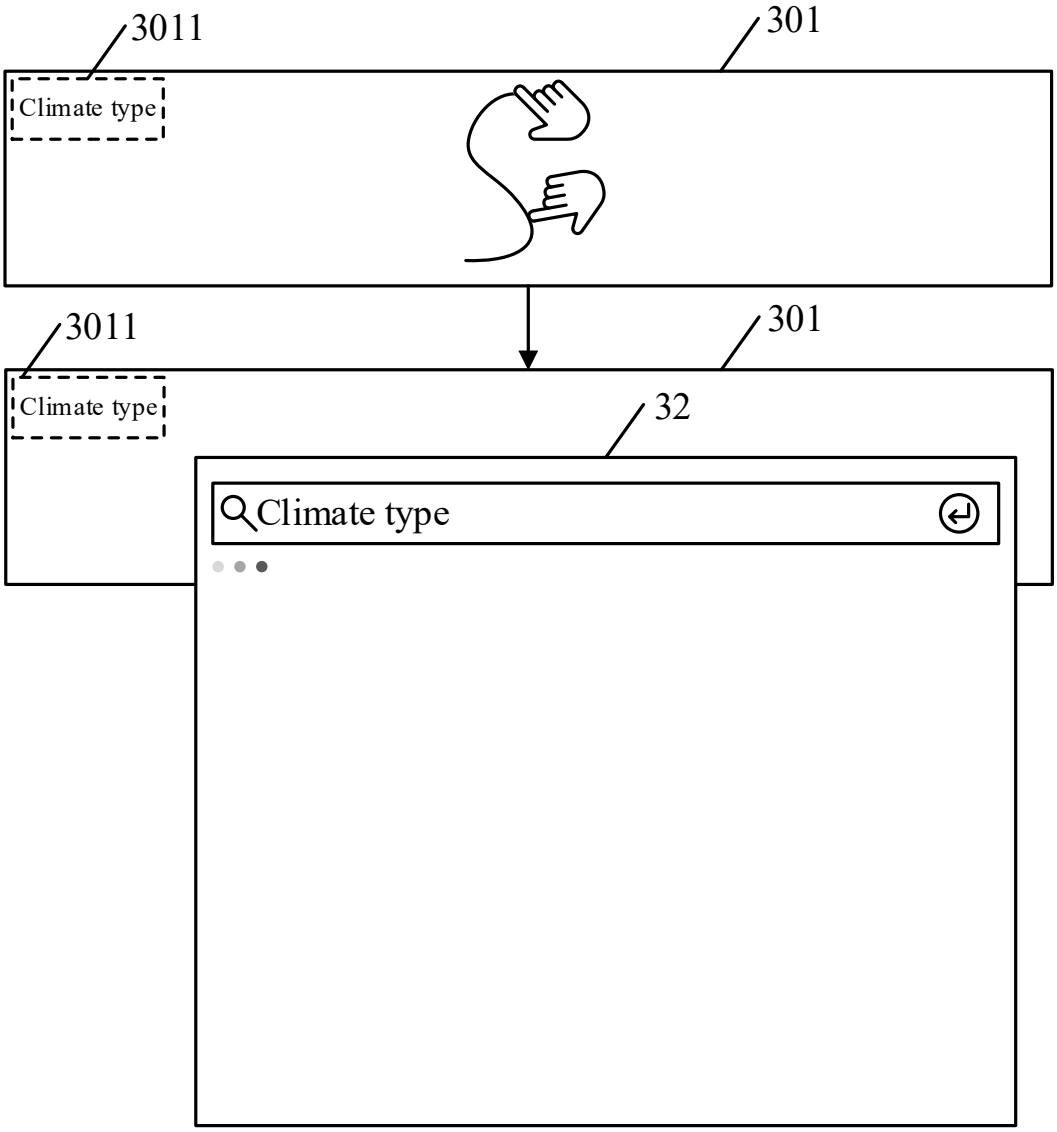

FIG. 14b

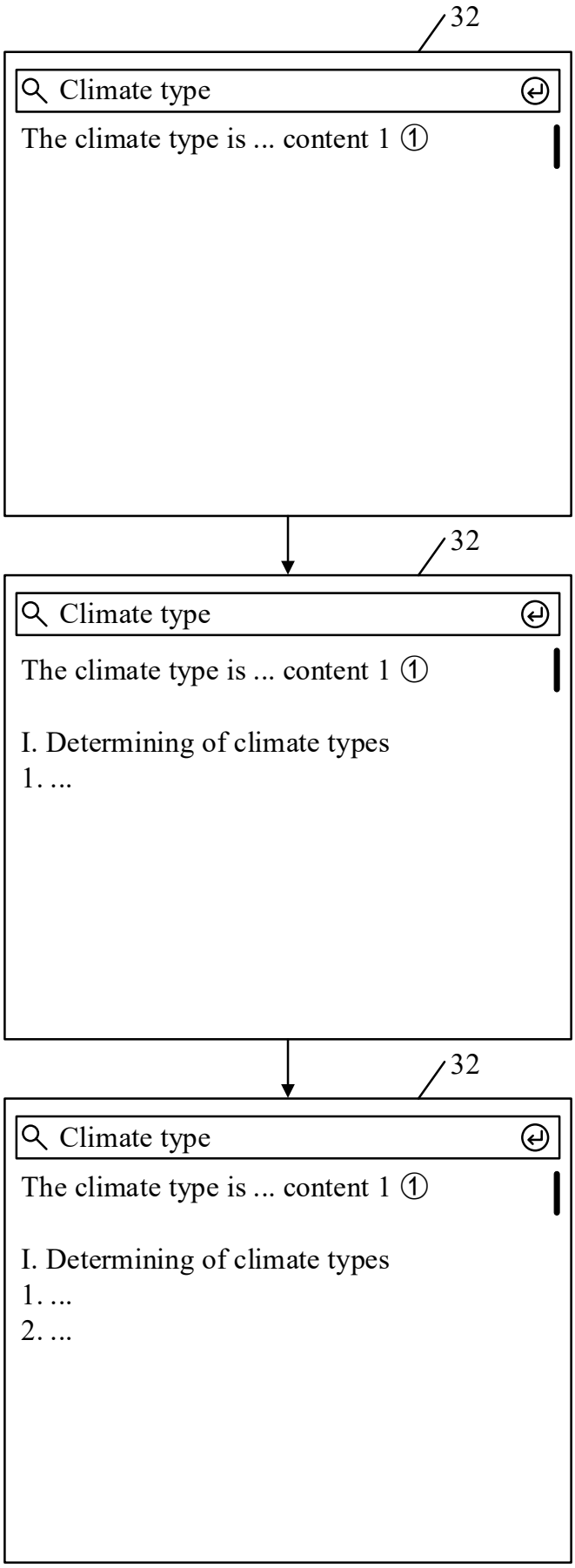
32
Climate type
The climate type is ... content 1 ①
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...

FIG. 15

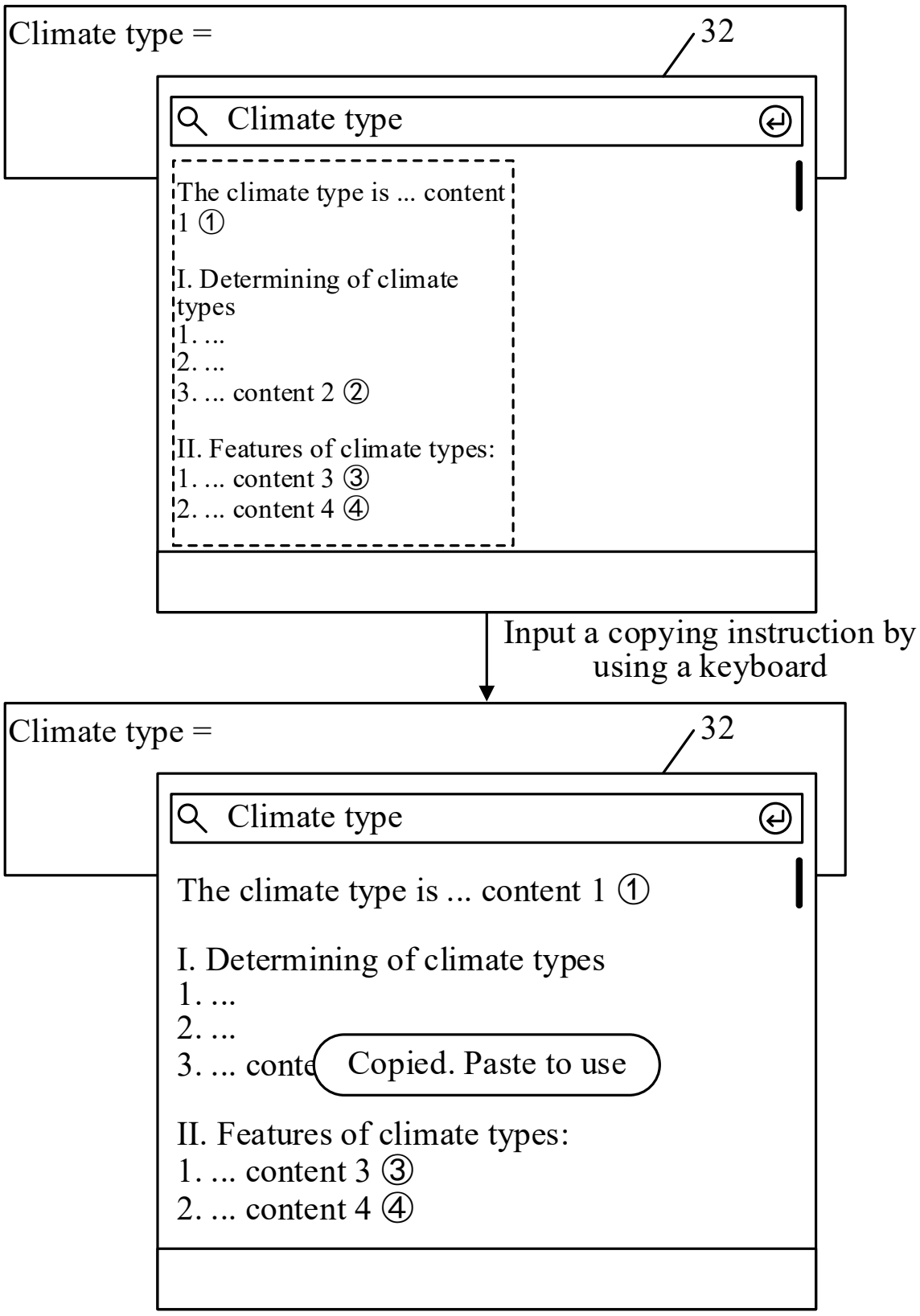
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
Input a copying instruction by using a keyboard
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... conte
Copied. Paste to use
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④

FIG. 16a

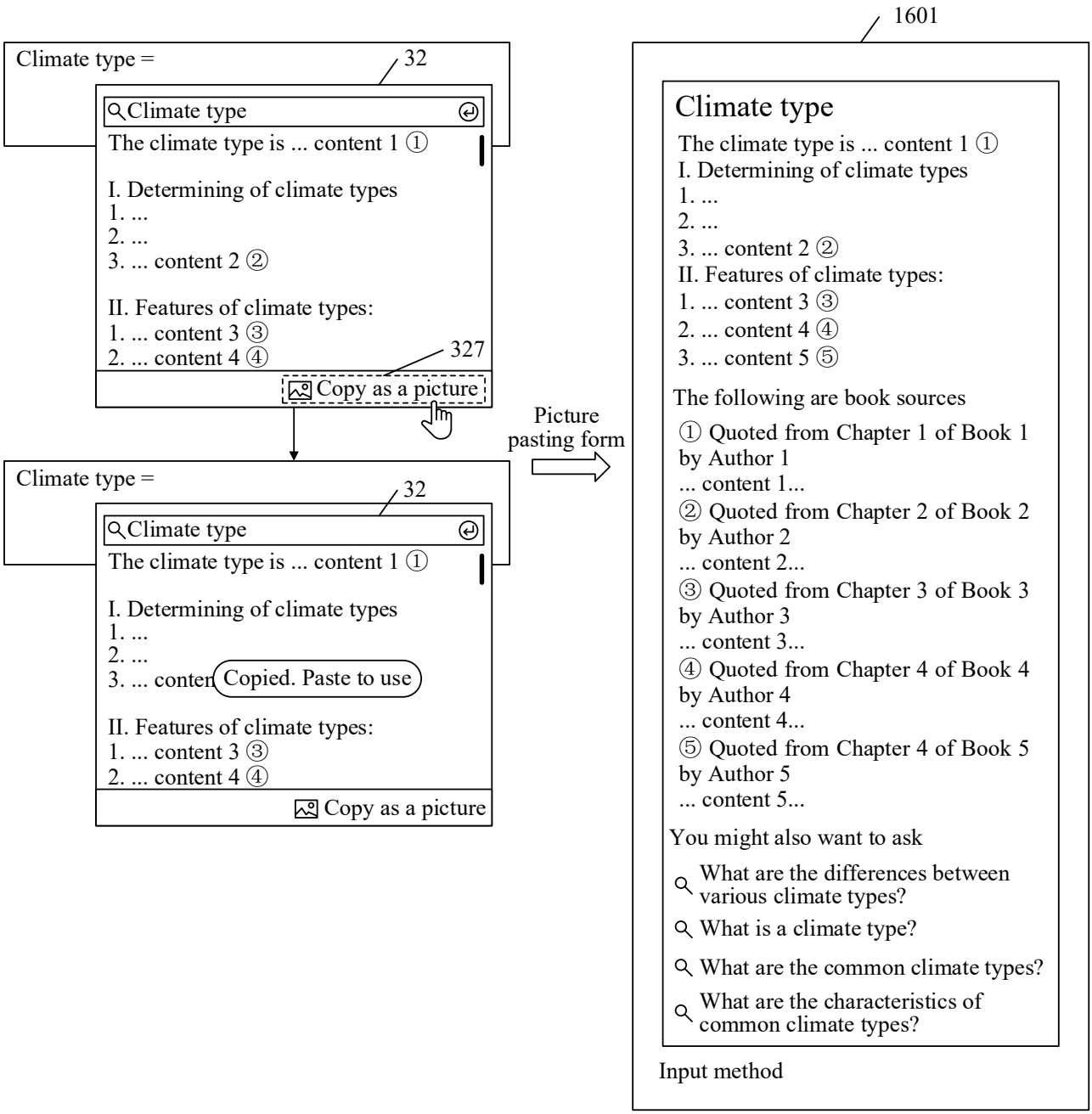
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
327
Copy as a picture
Picture pasting form
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... conten
Copied. Paste to use
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
Copy as a picture
1601
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
3. ... content 5 ⑤
The following are book sources
① Quoted from Chapter 1 of Book 1 by Author 1
... content 1...
② Quoted from Chapter 2 of Book 2 by Author 2
... content 2...
③ Quoted from Chapter 3 of Book 3 by Author 3
... content 3...
④ Quoted from Chapter 4 of Book 4 by Author 4
... content 4...
⑤ Quoted from Chapter 4 of Book 5 by Author 5
... content 5...
You might also want to ask
What are the differences between various climate types?
What is a climate type?
What are the common climate types?
What are the characteristics of common climate types?
Input method

FIG. 16b

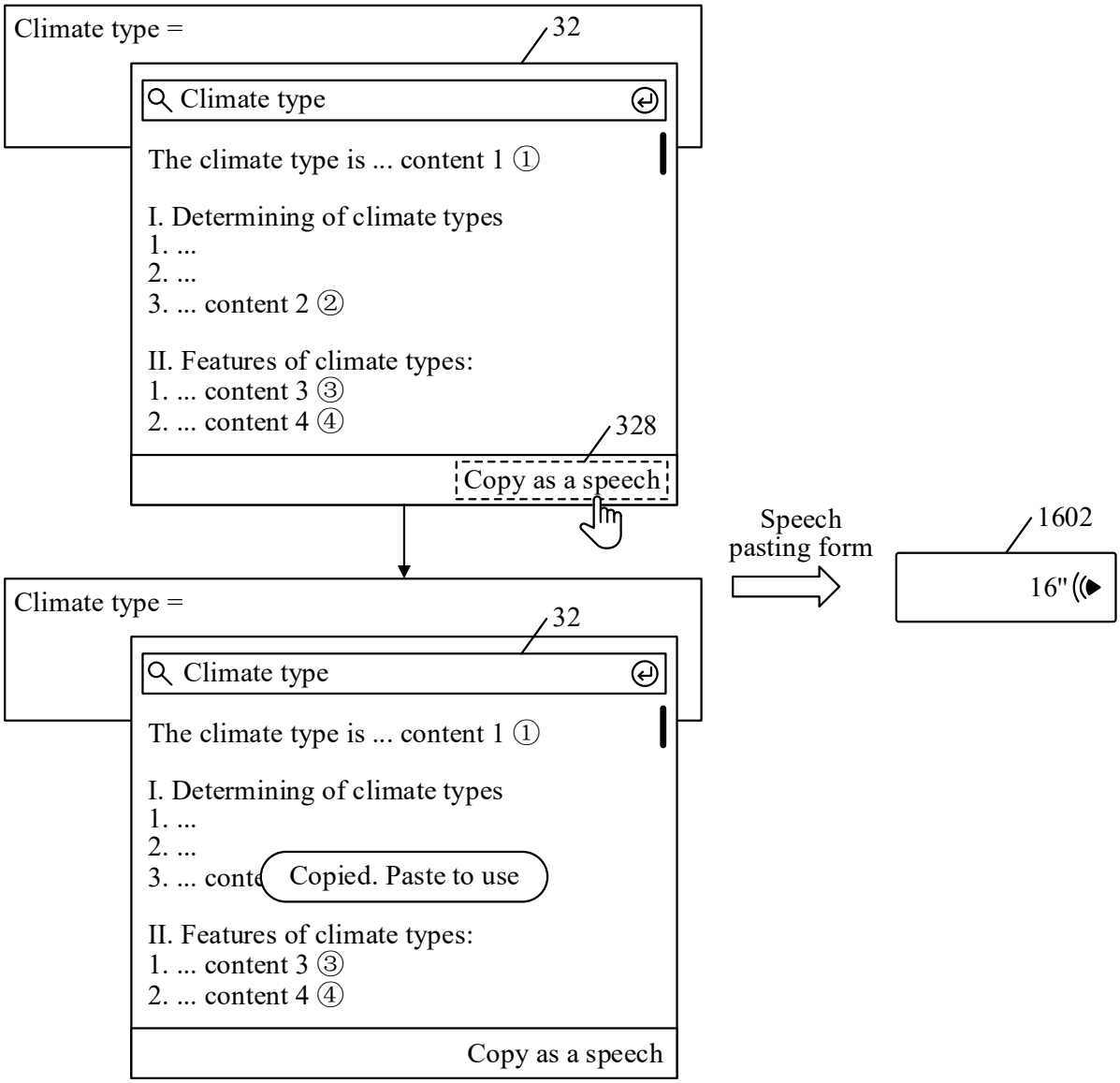
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
328
Copy as a speech
Speech pasting form
1602
16"
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... conte
Copied. Paste to use
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
Copy as a speech

FIG. 16c

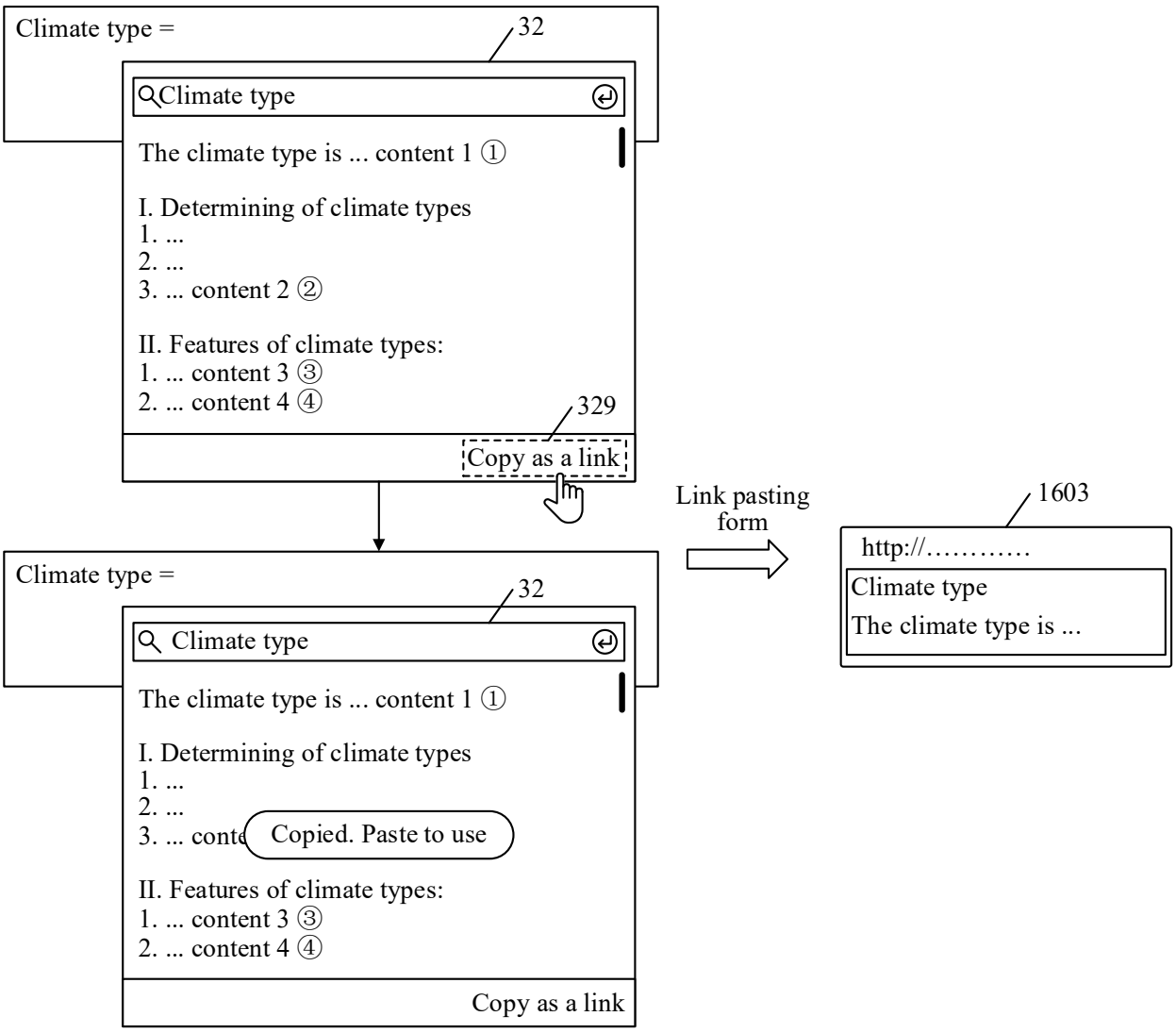
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
329
Copy as a link
Link pasting form
1603
http://……
Climate type
The climate type is ...
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... conte
Copied. Paste to use
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
Copy as a link

FIG. 16d

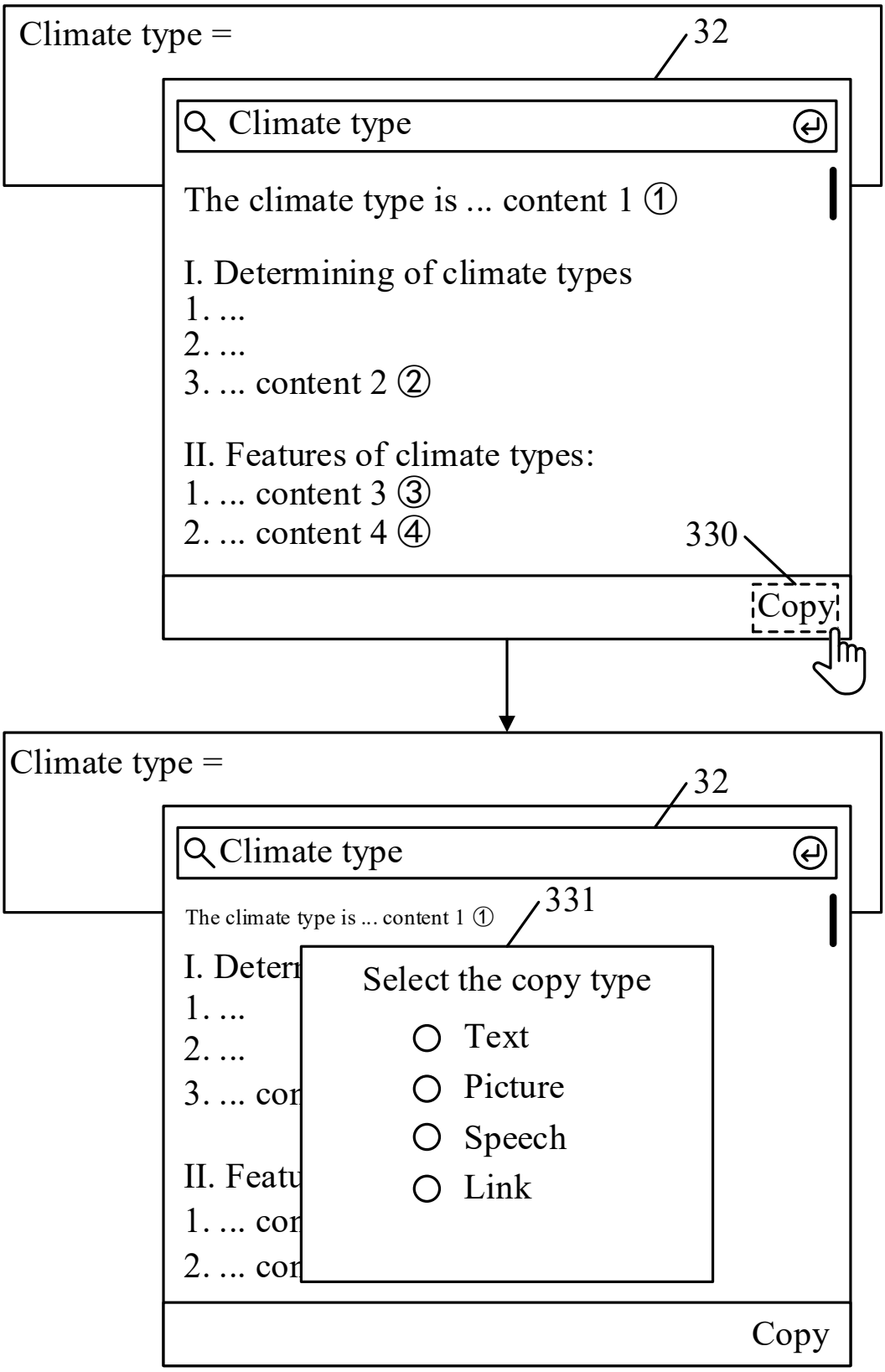
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
330
Copy
Climate type =
32
Climate type
The climate type is ... content 1 ①
331
I. Deter
1. ...
2. ...
3. ... cor
II. Featu
1. ... cor
2. ... cor
Select the copy type
Text
Picture
Speech
Link
Copy

FIG. 16e

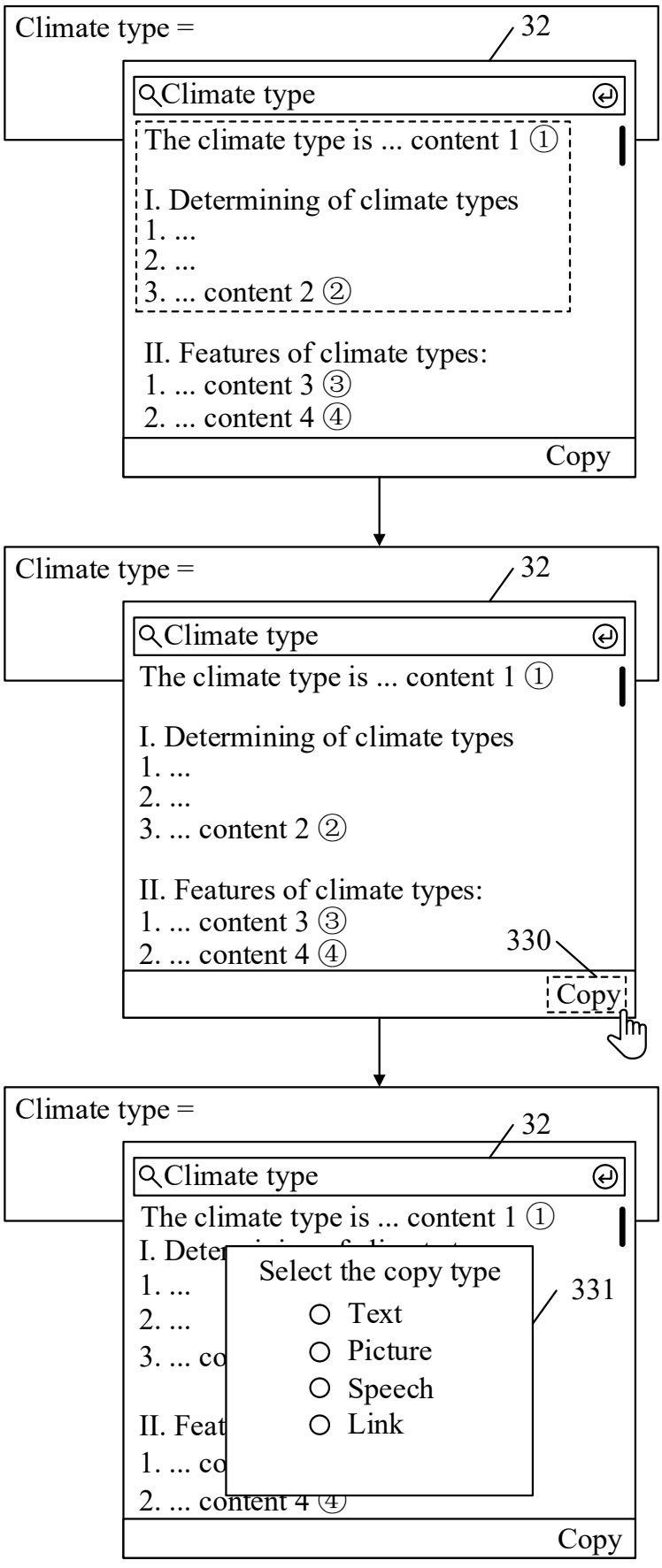
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
Copy
Climate type =
32
Climate type
The climate type is ... content 1 ①
I. Determining of climate types
1. ...
2. ...
3. ... content 2 ②
II. Features of climate types:
1. ... content 3 ③
2. ... content 4 ④
330
Copy
Climate type =
32
Climate type
The climate type is ... content 1 ①
Select the copy type
Text
Picture
Speech
Link
331
Copy

FIG. 17

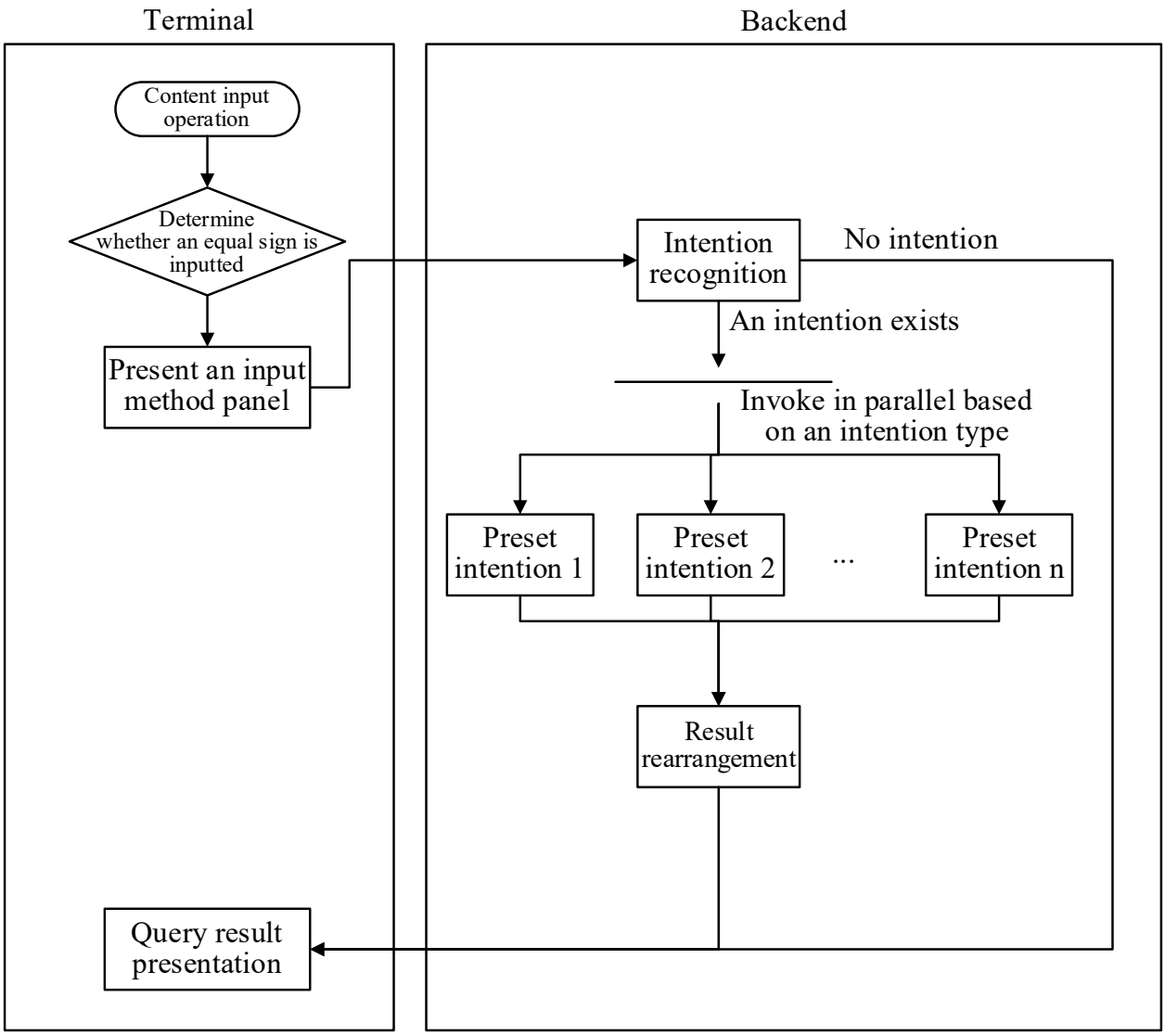
Terminal
Backend
Content input operation
Determine whether an equal sign is inputted
Present an input method panel
Intention recognition
No intention
An intention exists
Invoke in parallel based on an intention type
Preset intention 1
Preset intention 2
...
Preset intention n
Result rearrangement
Query result presentation

FIG. 18

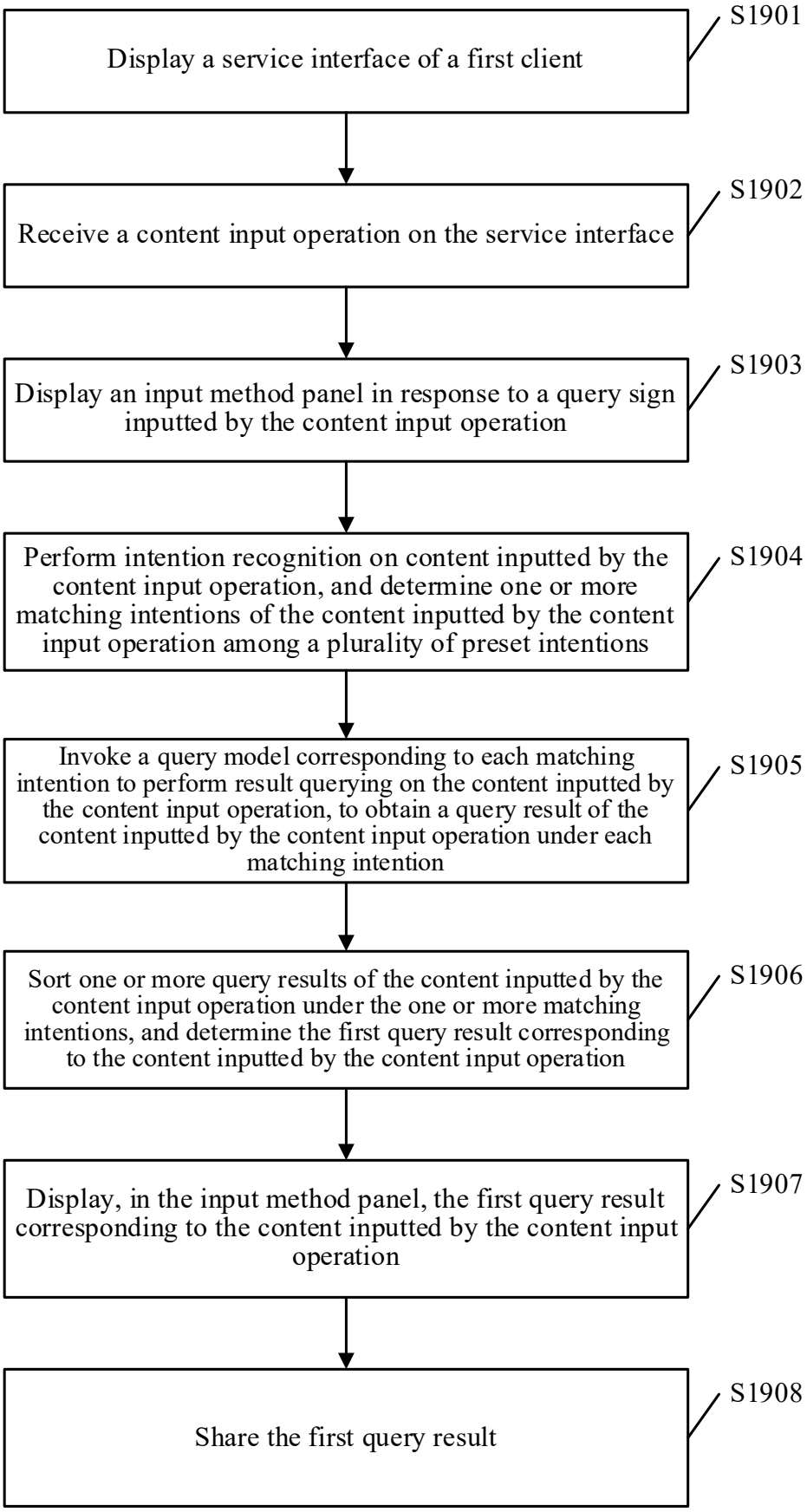
Display a service interface of a first client
S1901
Receive a content input operation on the service interface
S1902
Display an input method panel in response to a query sign inputted by the content input operation
S1903
Perform intention recognition on content inputted by the content input operation, and determine one or more matching intentions of the content inputted by the content input operation among a plurality of preset intentions
S1904
Invoke a query model corresponding to each matching intention to perform result querying on the content inputted by the content input operation, to obtain a query result of the content inputted by the content input operation under each matching intention
S1905
Sort one or more query results of the content inputted by the content input operation under the one or more matching intentions, and determine the first query result corresponding to the content inputted by the content input operation
S1906
Display, in the input method panel, the first query result corresponding to the content inputted by the content input operation
S1907
Share the first query result
S1908

FIG. 19

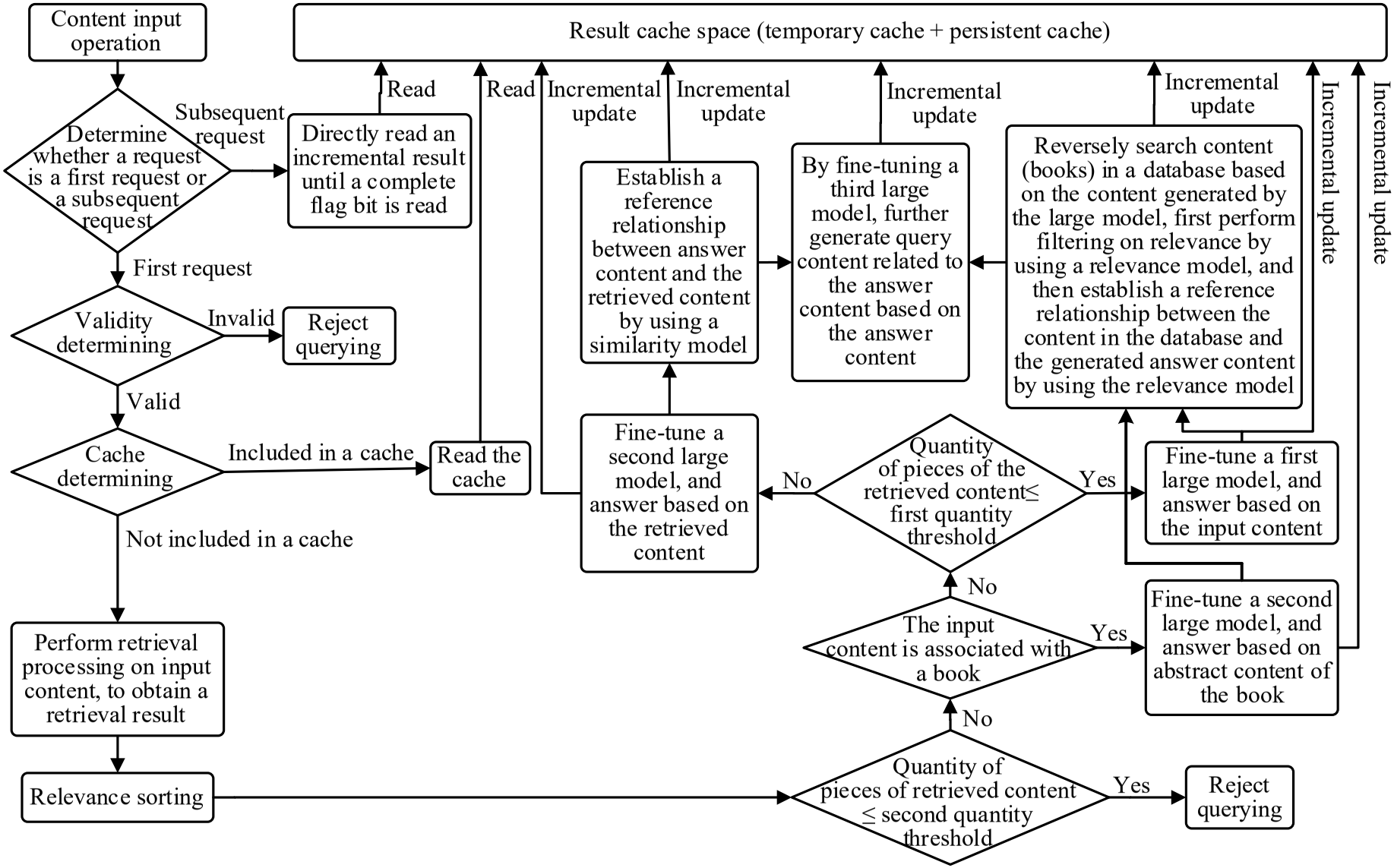
Content input operation
Result cache space (temporary cache + persistent cache)
Determine whether a request is a first request or a subsequent request
Subsequent request
Directly read an incremental result until a complete flag bit is read
Read
First request
Validity determining
Invalid
Reject querying
Valid
Cache determining
Included in a cache
Read the cache
Not included in a cache
Perform retrieval processing on input content, to obtain a retrieval result
Relevance sorting
Establish a reference relationship between answer content and the retrieved content by using a similarity model
By fine-tuning a third large model, further generate query content related to the answer content based on the answer content
Reversely search content (books) in a database based on the content generated by the large model, first perform filtering on relevance by using a relevance model, and then establish a reference relationship between the content in the database and the generated answer content by using the relevance model
Incremental update
Fine-tune a second large model, and answer based on the retrieved content
Quantity of pieces of the retrieved content≤ first quantity threshold
No
Yes
Fine-tune a first large model, and answer based on the input content
The input content is associated with a book
Fine-tune a second large model, and answer based on abstract content of the book
Quantity of pieces of retrieved content ≤ second quantity threshold
Reject querying

FIG. 20

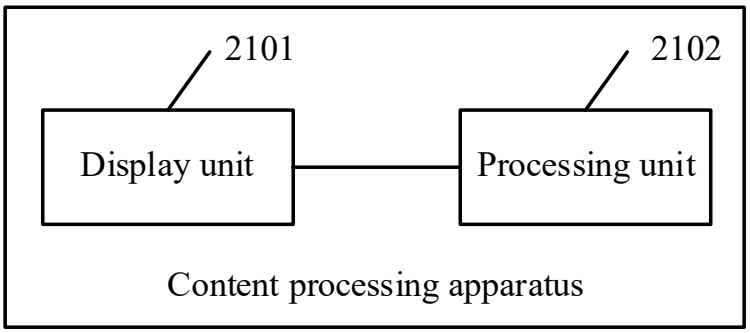
2101
2102
Display unit
Processing unit
Content processing apparatus

FIG. 21

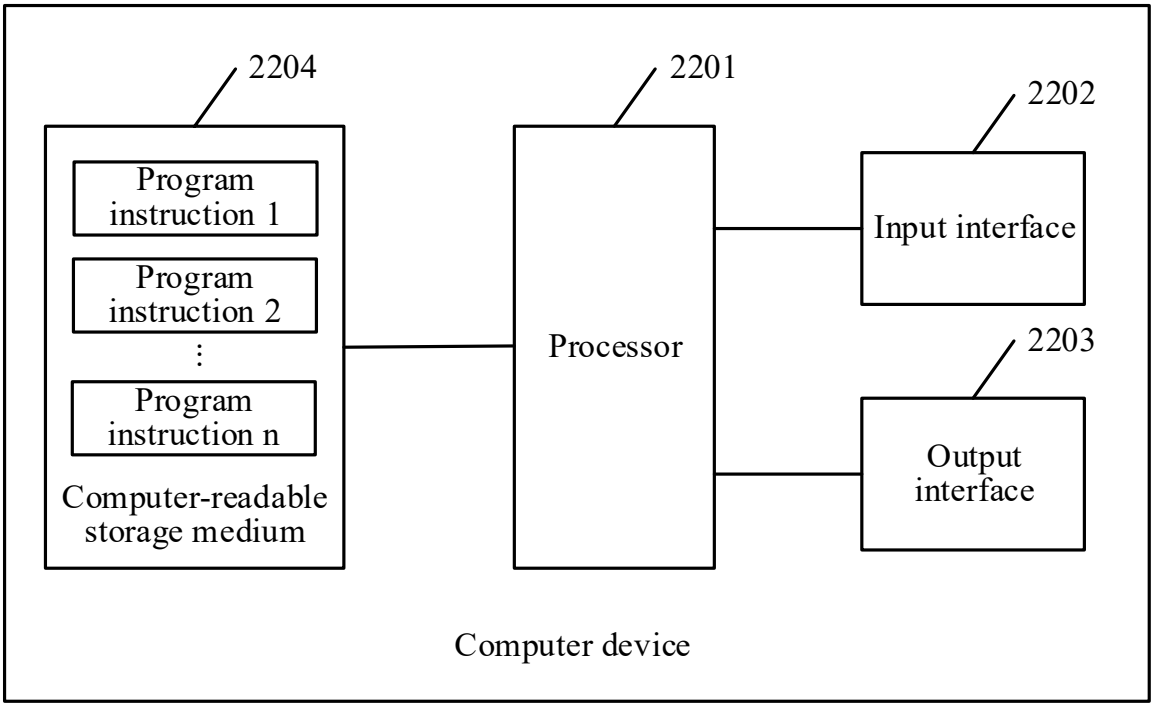
2204
2201
2202
Program instruction 1
Program instruction 2
Program instruction n
Computer-readable storage medium
Processor
Input interface
2203
Output interface
Computer device

FIG. 22