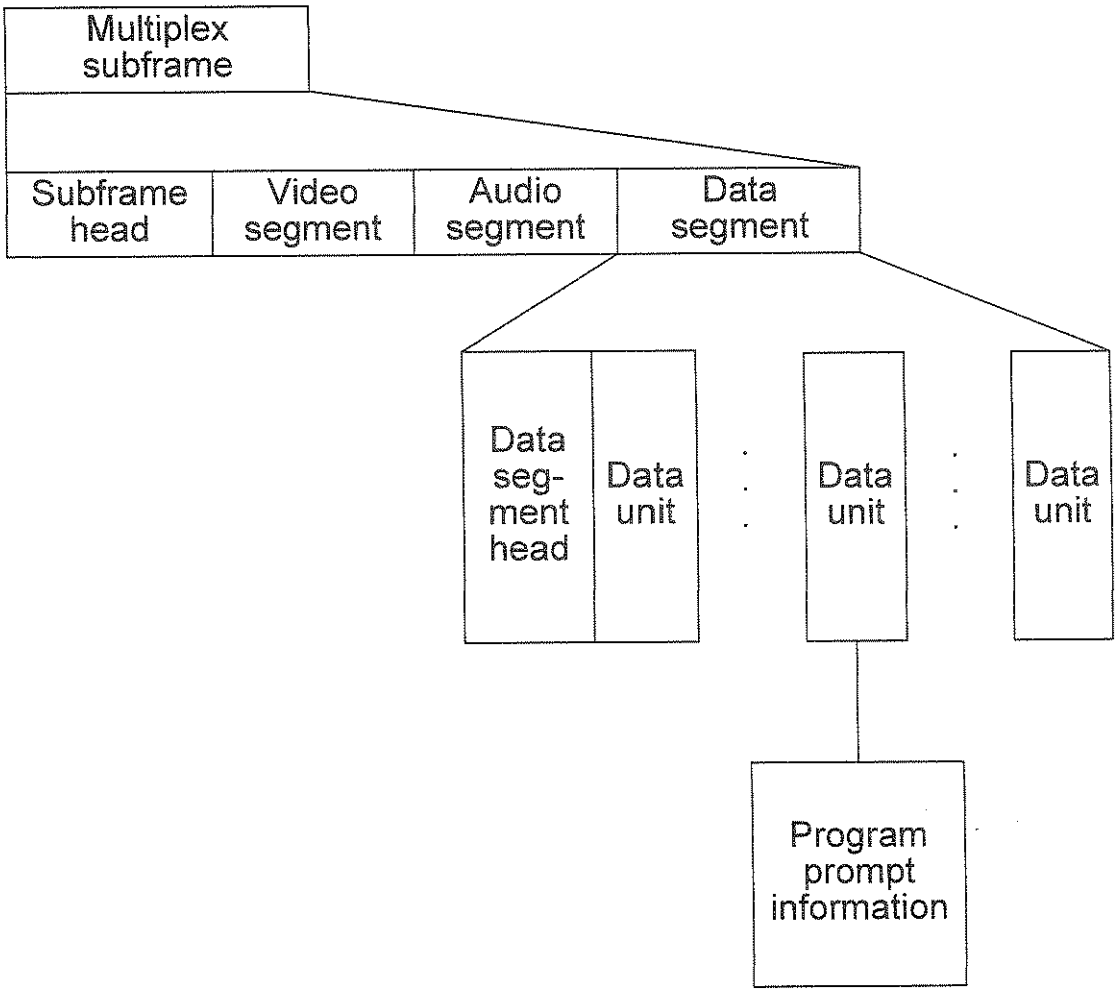
Multiplex subframe
Subframe head
Video segment
Audio segment
Data segment
Data seg-ment head
Data unit
Data unit
Data unit
Program prompt information

Fig. 1

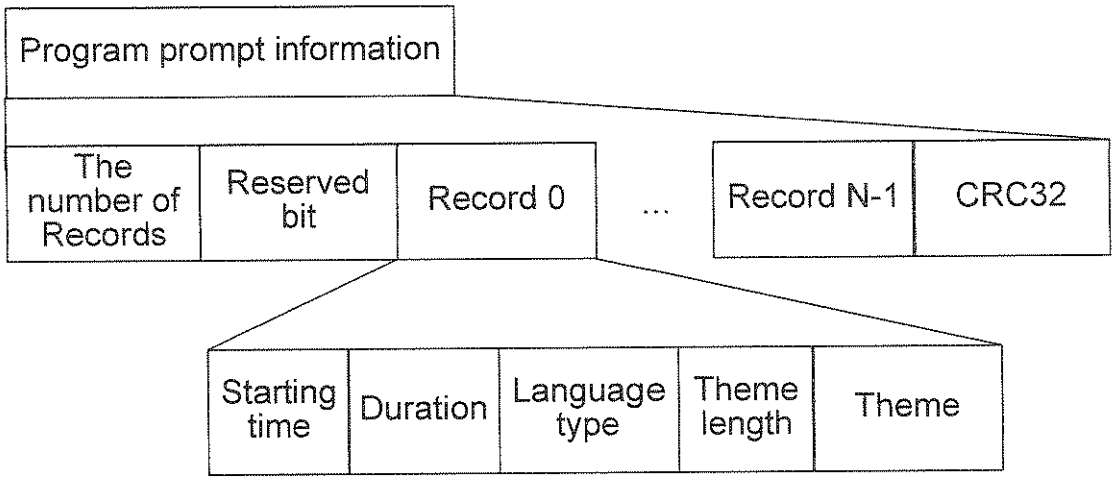
Program prompt information
The number of Records
Reserved bit
Record 0
...
Record N-1
CRC32
Starting time
Duration
Language type
Theme length
Theme

Fig. 2

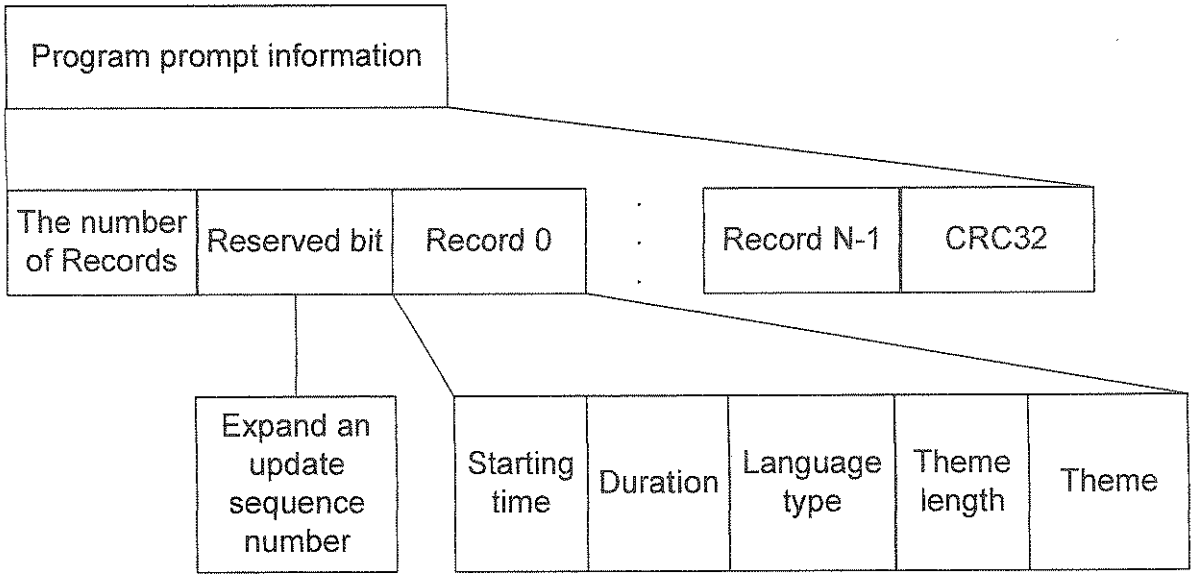
Program prompt information
The number of Records
Reserved bit
Record 0
Record N-1
CRC32
Expand an update sequence number
Starting time
Duration
Language type
Theme length
Theme

Fig. 3

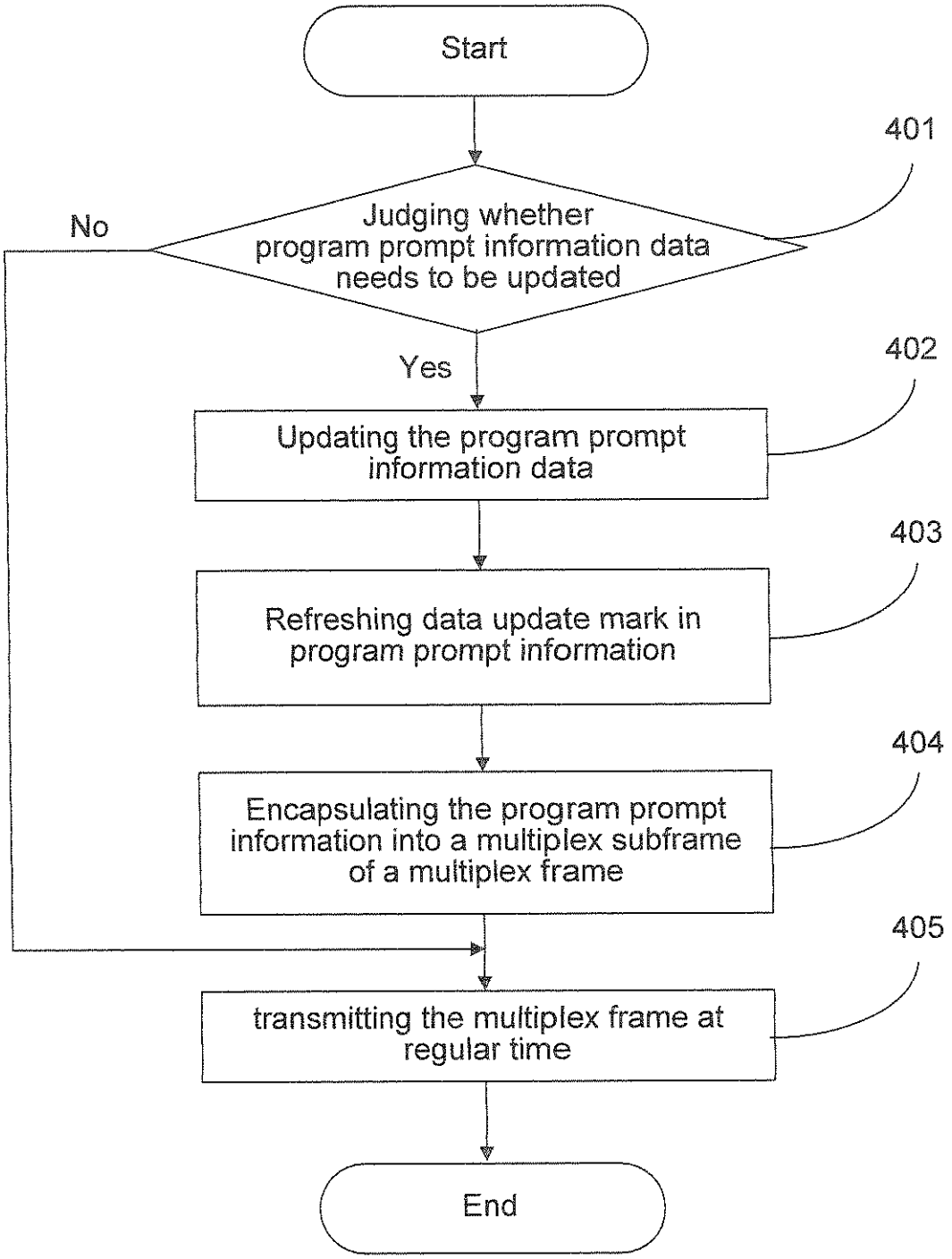
Start
401
Judging whether program prompt information data needs to be updated
No
Yes
402
Updating the program prompt information data
403
Refreshing data update mark in program prompt information
404
Encapsulating the program prompt information into a multiplex subframe of a multiplex frame
405
transmitting the multiplex frame at regular time
End

Fig. 4

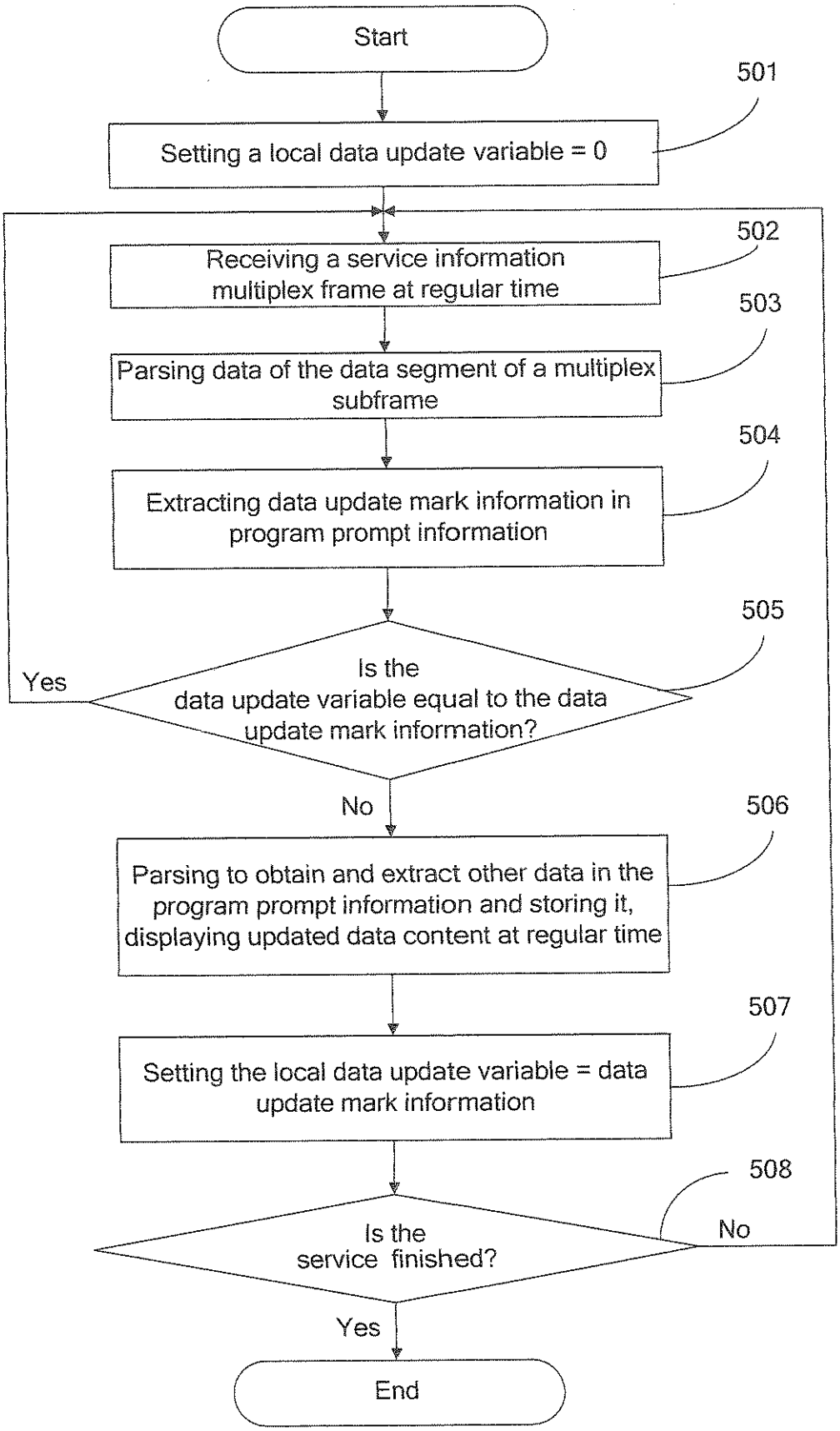
Start
501
Setting a local data update variable = 0
502
Receiving a service information multiplex frame at regular time
503
Parsing data of the data segment of a multiplex subframe
504
Extracting data update mark information in program prompt information
505
Is the data update variable equal to the data update mark information?
Yes
No
506
Parsing to obtain and extract other data in the program prompt information and storing it, displaying updated data content at regular time
507
Setting the local data update variable = data update mark information
508
Is the service finished?
No
Yes
End

Fig.5

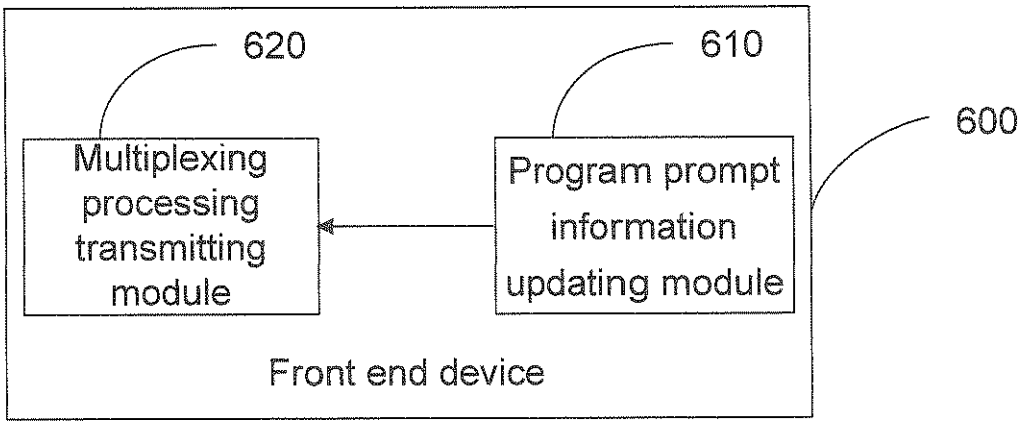
620
610
600
Multiplexing processing transmitting module
Program prompt information updating module
Front end device

Fig. 6

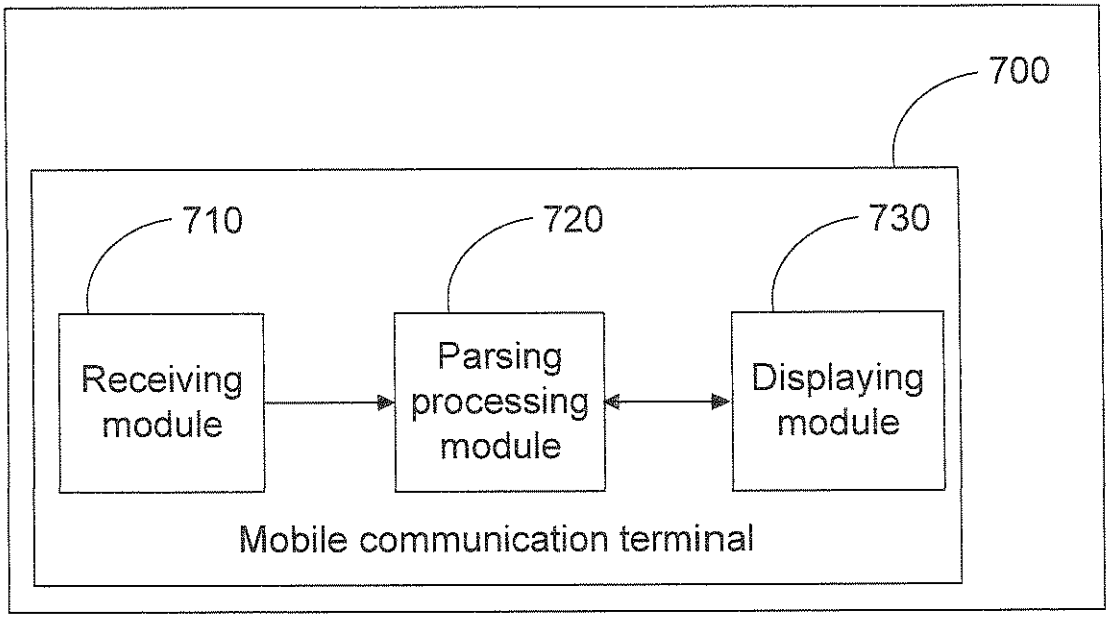
700
710
720
730
Receiving module
Parsing processing module
Displaying module
Mobile communication terminal

Fig. 7