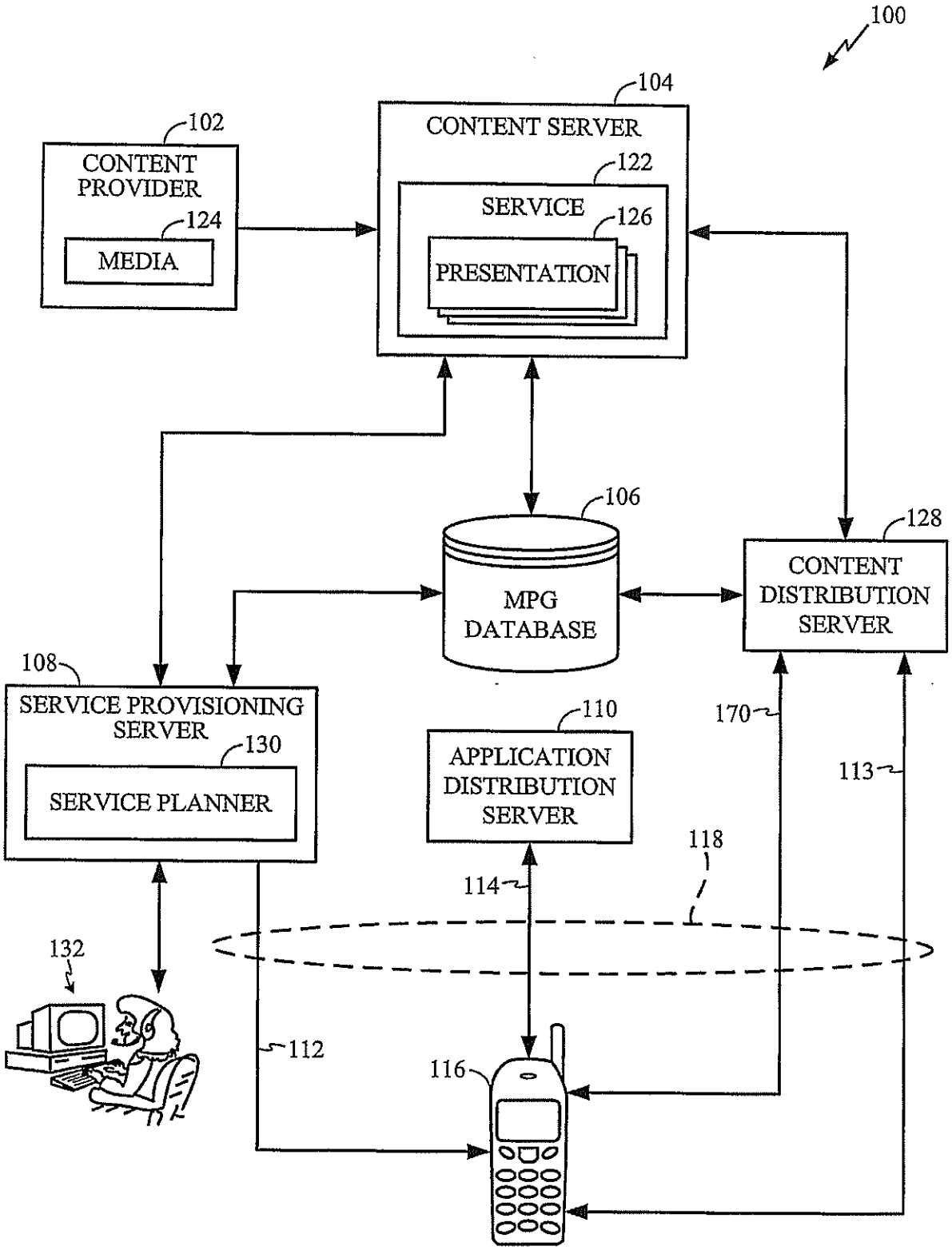

100
104
CONTENT SERVER
122
SERVICE
126
PRESENTATION
102
CONTENT PROVIDER
124
MEDIA
106
MPG DATABASE
128
CONTENT DISTRIBUTION SERVER
108
SERVICE PROVISIONING SERVER
130
SERVICE PLANNER
110
APPLICATION DISTRIBUTION SERVER
170
113
118
114
132
112
116

FIG. 1

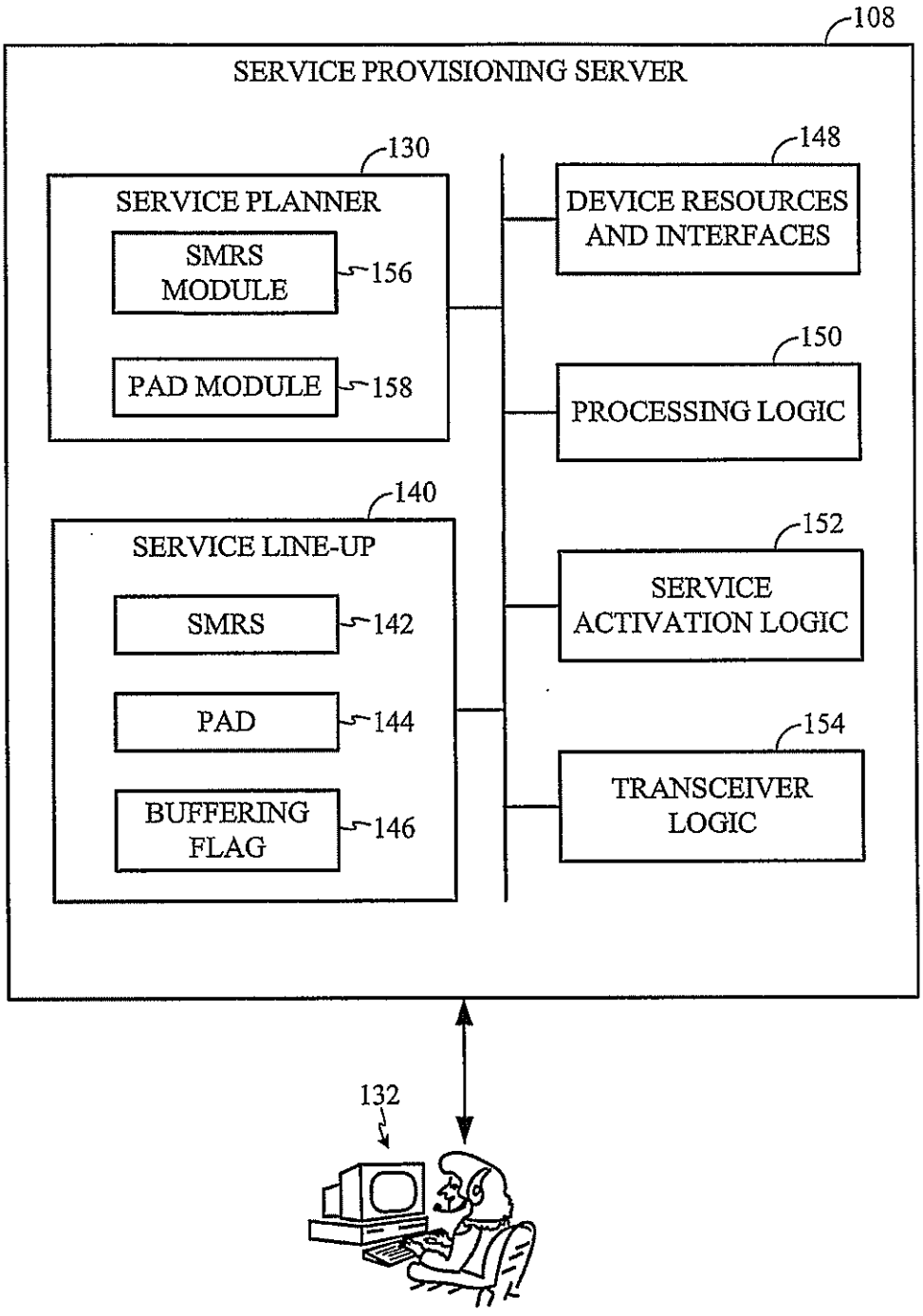

108
SERVICE PROVISIONING SERVER
130
SERVICE PLANNER
SMRS MODULE
156
PAD MODULE
158
140
SERVICE LINE-UP
SMRS
142
PAD
144
BUFFERING FLAG
146
148
DEVICE RESOURCES AND INTERFACES
150
PROCESSING LOGIC
152
SERVICE ACTIVATION LOGIC
154
TRANSCEIVER LOGIC
132

FIG. 2

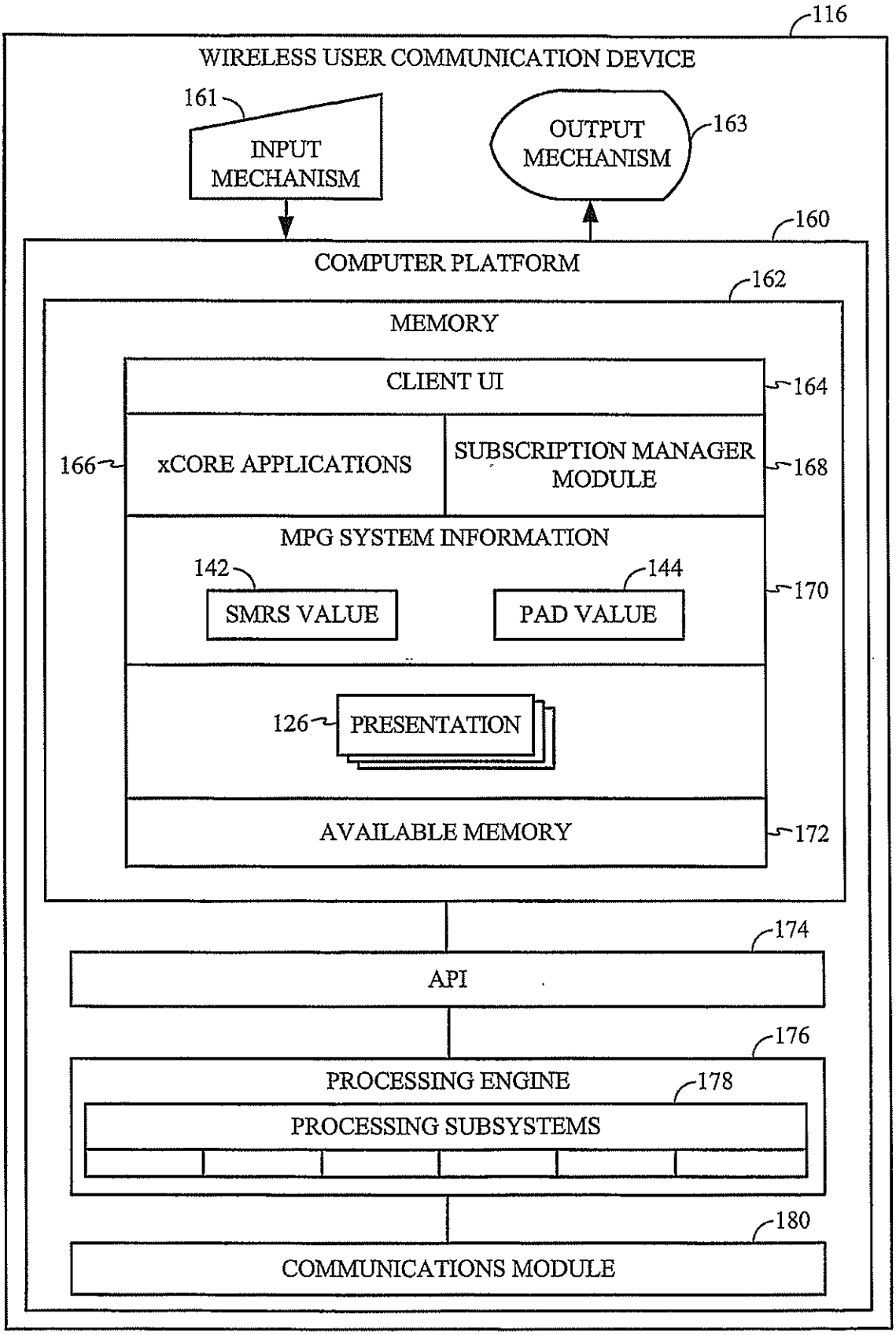

116
WIRELESS USER COMMUNICATION DEVICE
161
INPUT MECHANISM
OUTPUT MECHANISM
163
160
COMPUTER PLATFORM
162
MEMORY
CLIENT UI
164
166
xCORE APPLICATIONS
SUBSCRIPTION MANAGER MODULE
168
MPG SYSTEM INFORMATION
142
SMRS VALUE
144
PAD VALUE
170
126
PRESENTATION
AVAILABLE MEMORY
172
174
API
176
PROCESSING ENGINE
178
PROCESSING SUBSYSTEMS
180
COMMUNICATIONS MODULE

FIG. 3

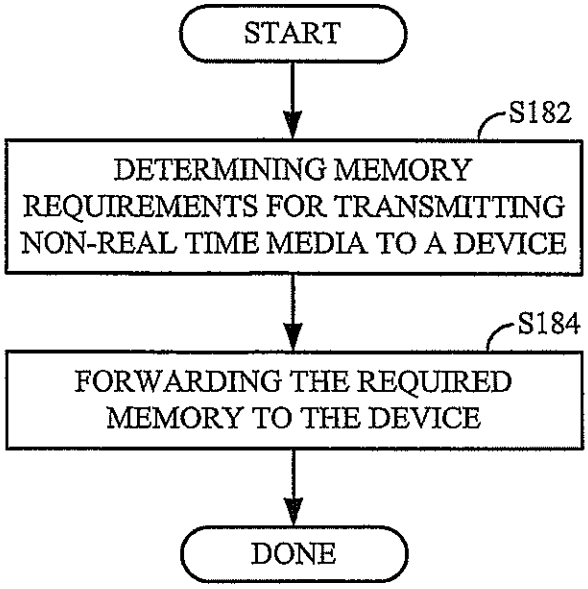

START
S182
DETERMINING MEMORY REQUIREMENTS FOR TRANSMITTING NON-REAL TIME MEDIA TO A DEVICE
S184
FORWARDING THE REQUIRED MEMORY TO THE DEVICE
DONE

FIG. 4

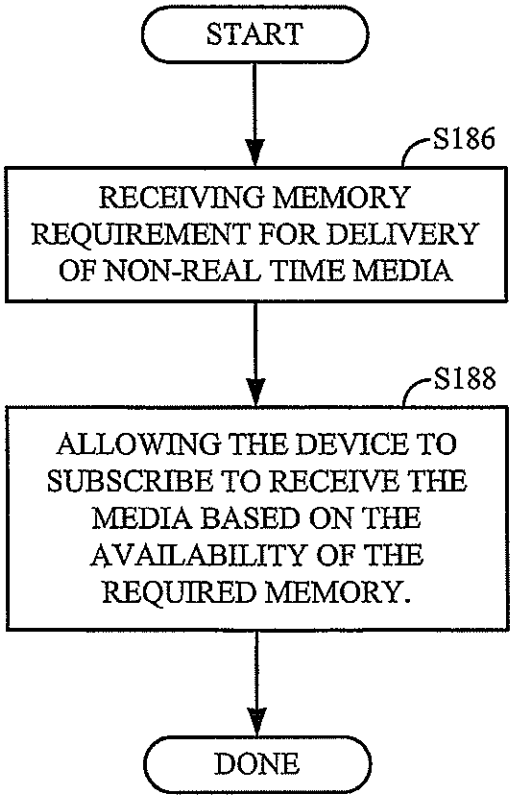
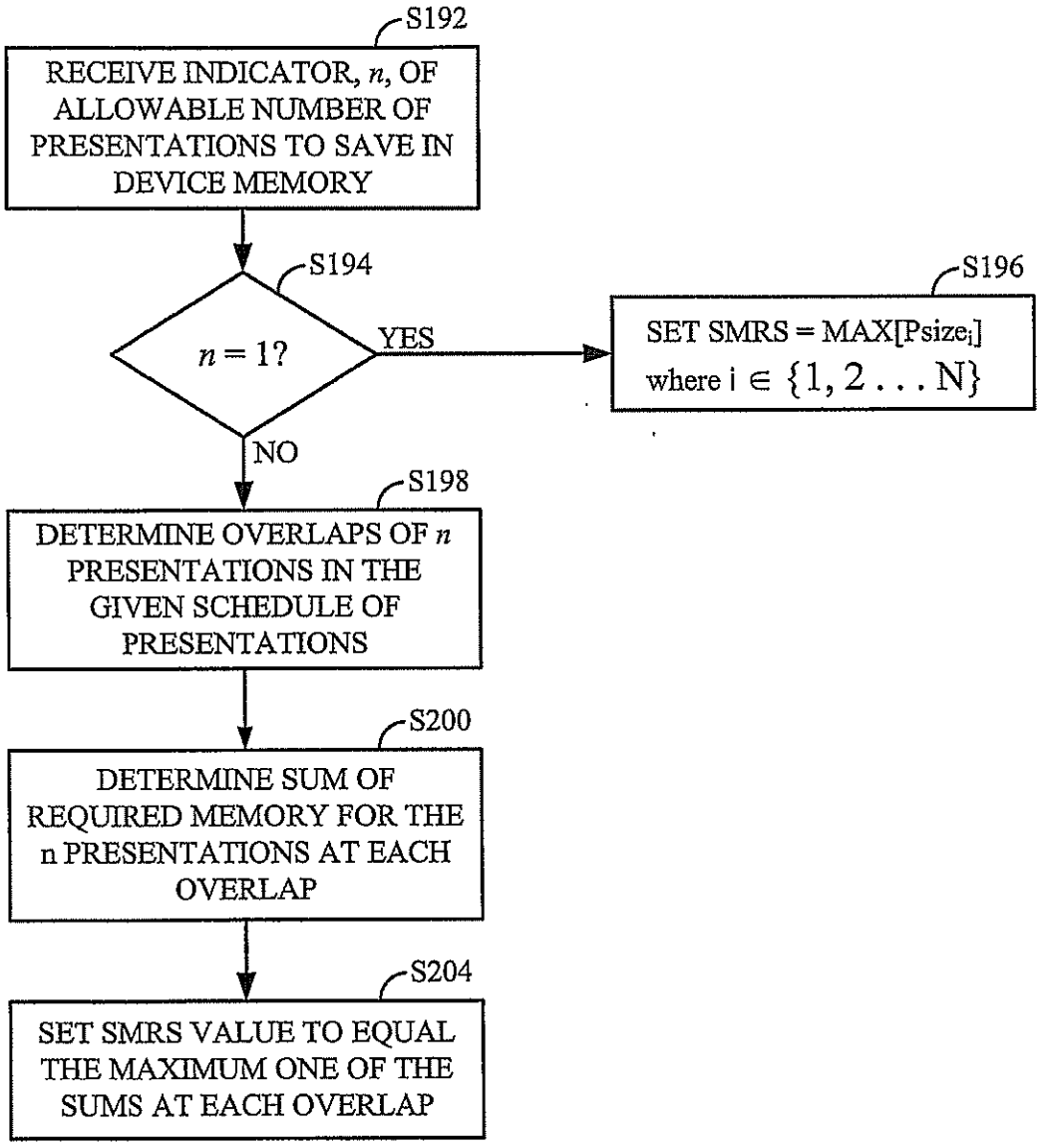

START
S186
RECEIVING MEMORY REQUIREMENT FOR DELIVERY OF NON-REAL TIME MEDIA
S188
ALLOWING THE DEVICE TO SUBSCRIBE TO RECEIVE THE MEDIA BASED ON THE AVAILABILITY OF THE REQUIRED MEMORY.
DONE

FIG. 5



i	:	Presentation index, where i = 1,2,3...N
N	:	Total number of presentations in a given schedule of presentations
$Psize_i$	:	Required memory for Presentation i
SMRS	:	Subscribed Memory Requirement per Service

FIG. 6

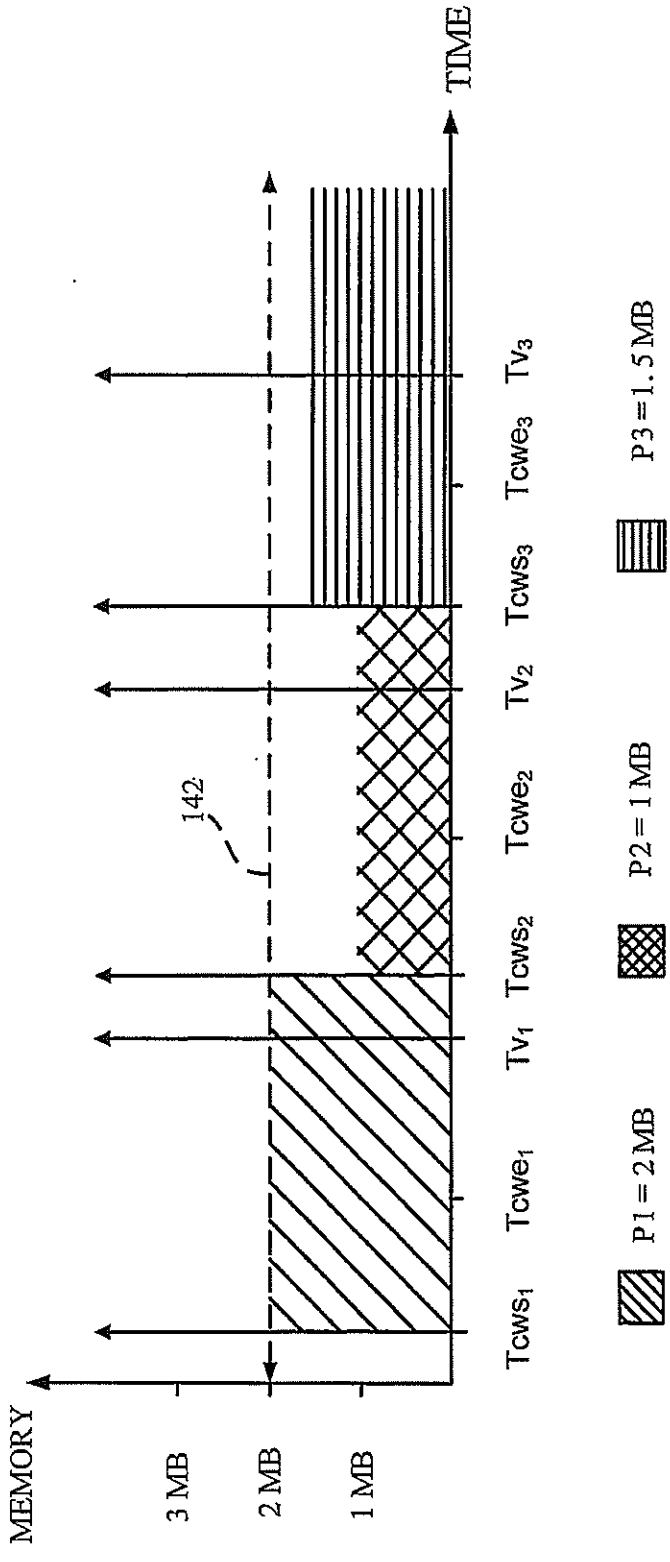

SUBSCRIBED MEMORY REQUIREMENT
BUFFERING FLAG = 1
MEMORY
3 MB
2 MB
1 MB
142
TIME
Tcws1
Tcwe1
Tv1
Tcws2
Tcwe2
Tv2
Tcws3
Tcwe3
Tv3
P1 = 2 MB
P2 = 1 MB
P3 = 1.5 MB
Tcwsx: Contact Window Start Time of Presentation X
Tcwex: Contact Window End Time of Presentation X
Tvx : Presentation Viewing Time of Presentation X
Px : Presentation x where x=1,2,3

FIG. 7

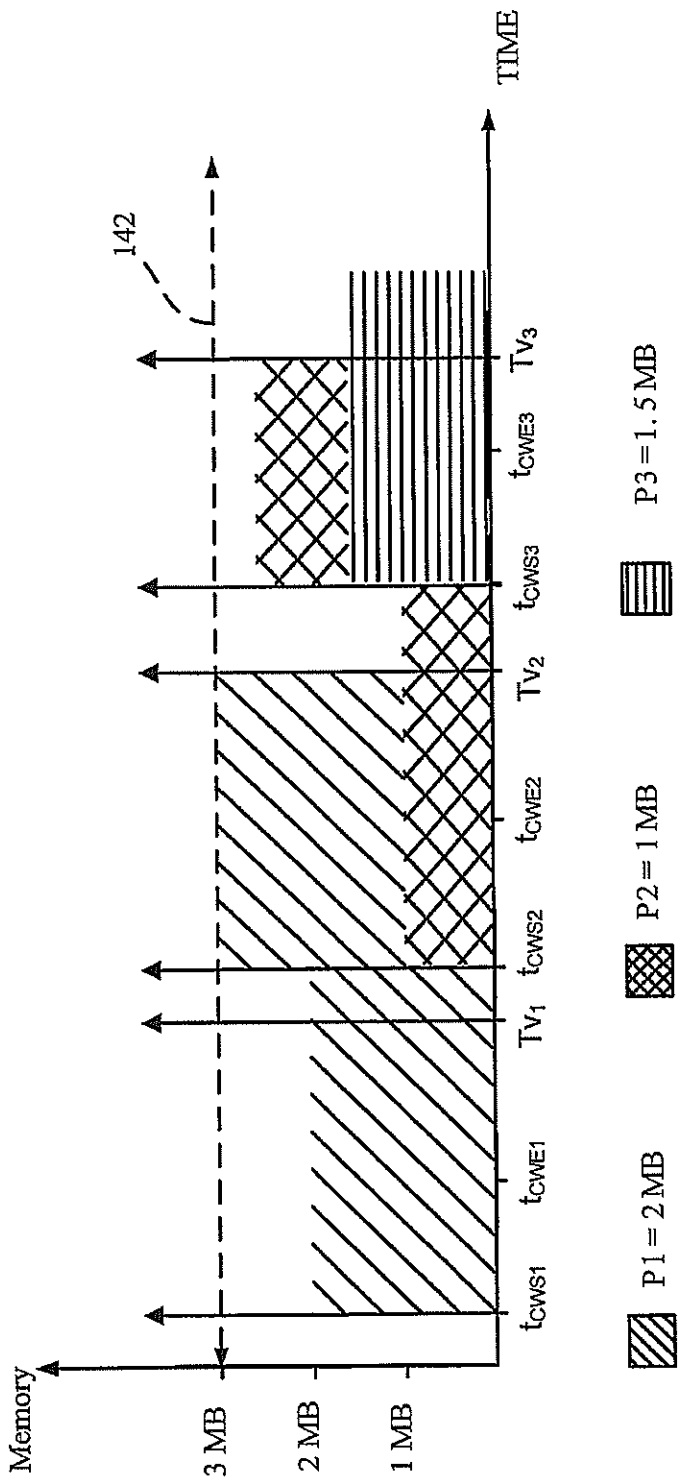

SUBSCRIBED MEMORY REQUIREMENT
BUFFERING FLAG =2
Memory
3 MB
2 MB
1 MB
TIME
142
t_{CWS1}
t_{CWE1}
Tv_1
t_{CWS2}
t_{CWE2}
Tv_2
t_{CWS3}
t_{CWE3}
Tv_3
P1 = 2 MB
P2 = 1 MB
P3 = 1.5 MB
$Tcws_X$: Contact Window Start Time of Presentation X
$Tcwe_X$: Contact Window End Time of Presentation X
Tv_X : Presentation Viewing Time of Presentation X
Px : Presentation x where x=1,2,3

FIG. 8

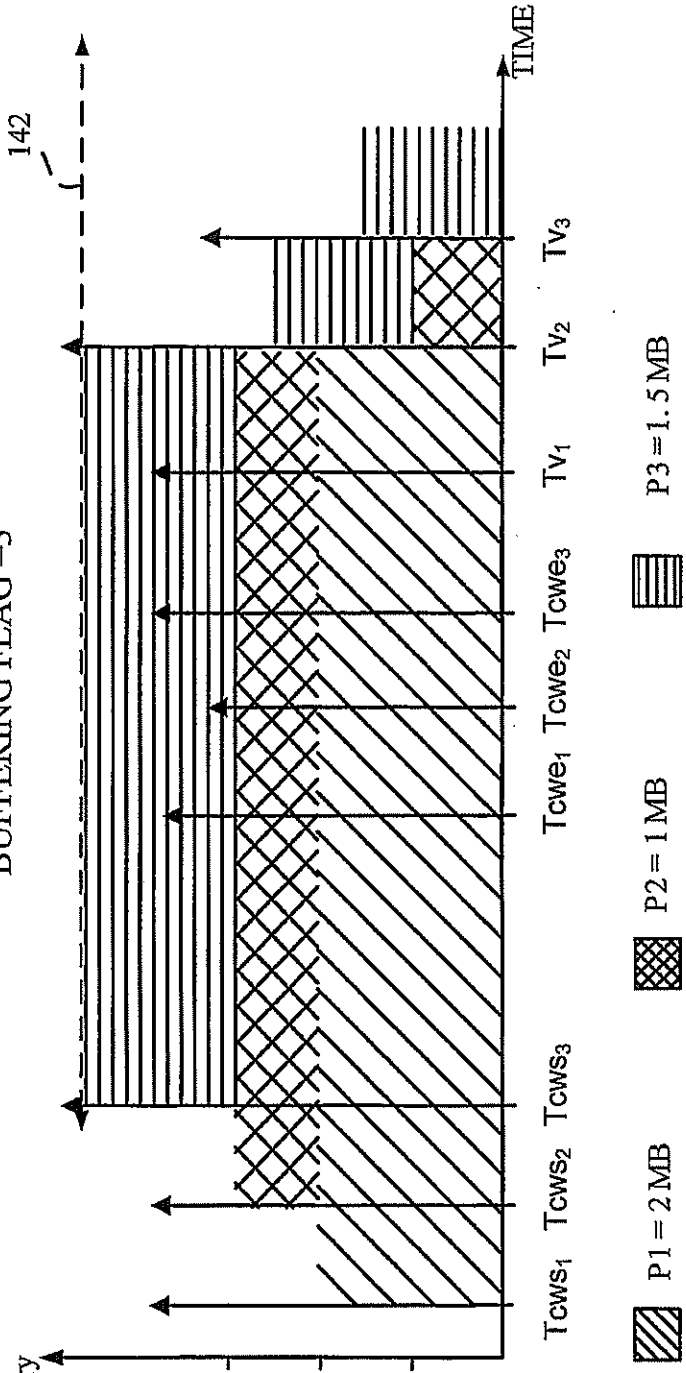

SUBSCRIBED MEMORY REQUIREMENT
BUFFERING FLAG =3
142
Memory
4.5 MB
4 MB
3 MB
2 MB
1 MB
TIME
Tcws1 Tcws2 Tcws3
Tcwe1 Tcwe2 Tcwe3
Tv1 Tv2 Tv3
P1 = 2 MB
P2 = 1 MB
P3 = 1.5 MB
Tcwsx: Contact Window Start Time of Presentation X
Tcwex: Contact Window End Time of Presentation X
Tvx : Presentation Viewing Time of Presentation X
Px : Presentation x where x=1,2,3

FIG. 9

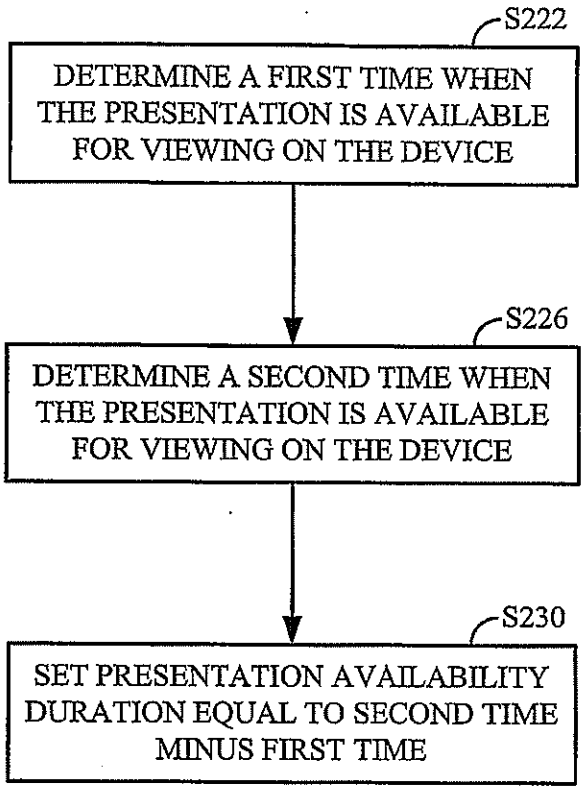

S222
DETERMINE A FIRST TIME WHEN THE PRESENTATION IS AVAILABLE FOR VIEWING ON THE DEVICE
S226
DETERMINE A SECOND TIME WHEN THE PRESENTATION IS AVAILABLE FOR VIEWING ON THE DEVICE
S230
SET PRESENTATION AVAILABILITY DURATION EQUAL TO SECOND TIME MINUS FIRST TIME

FIG. 10

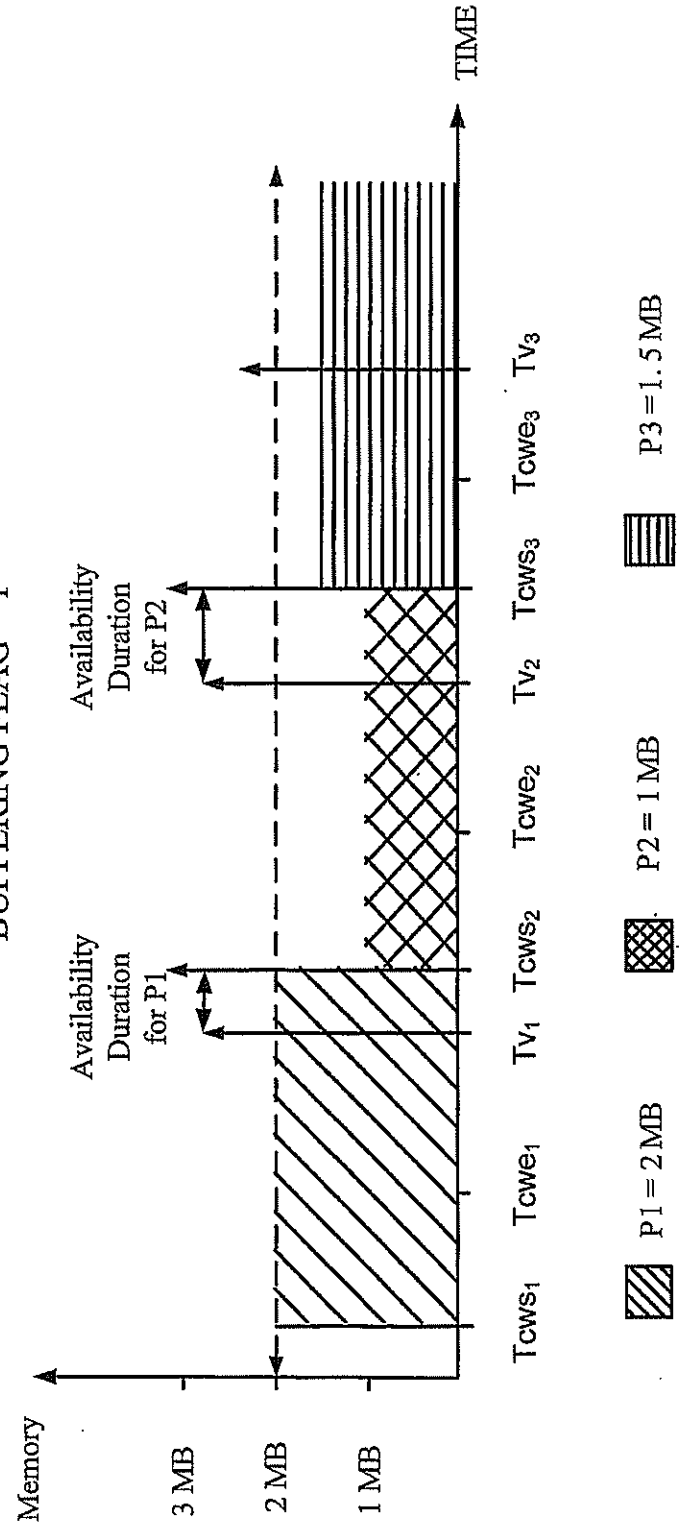

PRESENTATION AVAILABILITY DURATION
BUFFERING FLAG = 1
Memory
3 MB
2 MB
1 MB
Availability Duration for P1
Availability Duration for P2
TIME
Tcws1 Tcwe1 Tv1 Tcws2 Tcwe2 Tv2 Tcws3 Tcwe3 Tv3
P1 = 2 MB
P2 = 1 MB
P3 = 1.5 MB
Tcwsx: Contact Window Start Time of Presentation X
Tcwex: Contact Window End Time of Presentation X
Tvx : Presentation Viewing Time of Presentation X
Px : Presentation x where x=1,2,3

FIG. 11

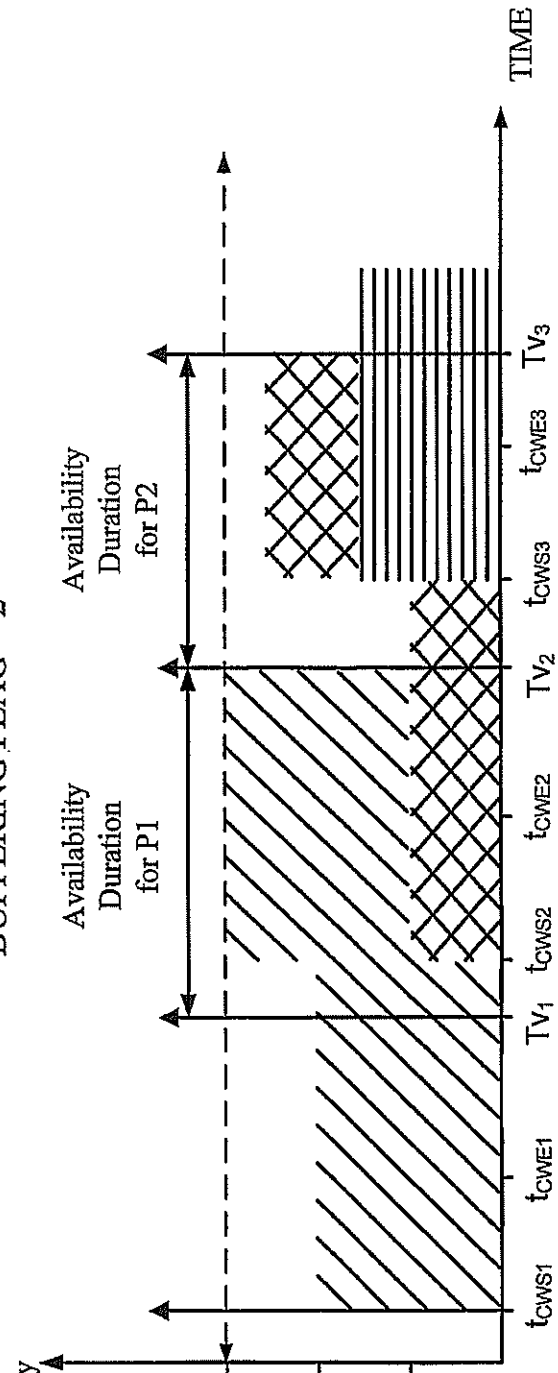

PRESENTATION AVAILABILITY DURATION
BUFFERING FLAG = 2
Memory
3 MB
2 MB
1 MB
TIME
Availability Duration for P1
Availability Duration for P2
t_{CWS1}
t_{CWE1}
Tv_1
t_{CWS2}
t_{CWE2}
Tv_2
t_{CWS3}
t_{CWE3}
Tv_3
P1 = 2 MB
P2 = 1 MB
P3 = 1.5 MB
$Tcws_X$: Contact Window Start Time of Presentation X
$Tcwe_X$: Contact Window End Time of Presentation X
Tv_X : Presentation Viewing Time of Presentation X
P_X : Presentation x where x=1,2,3

FIG. 12

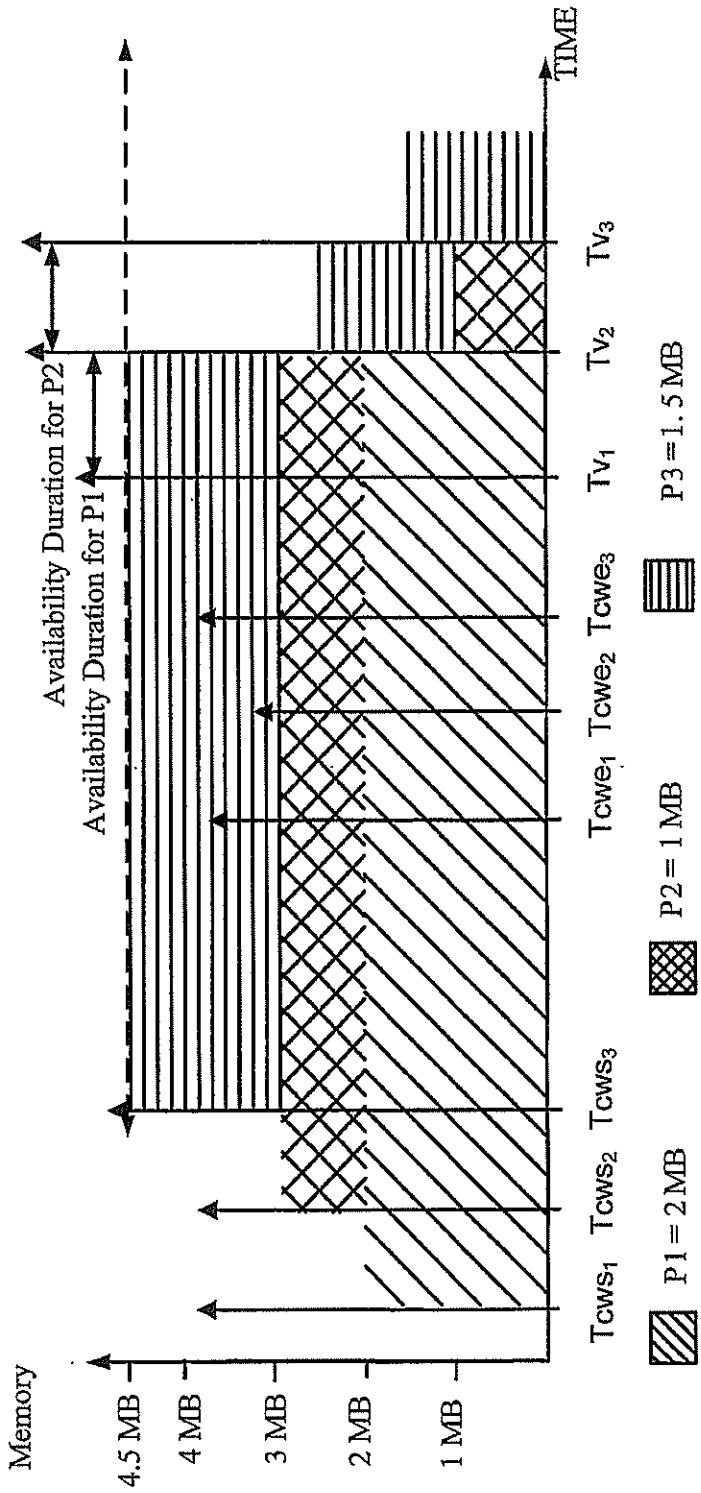

PRESENTATION AVAILABILITY DURATION
BUFFERING FLAG = 3
Memory
4.5 MB
4 MB
3 MB
2 MB
1 MB
TIME
Availability Duration for P2
Availability Duration for P1
Tcws1 Tcws2 Tcws3
Tcwe1 Tcwe2 Tcwe3
Tv1 Tv2 Tv3
P1 = 2 MB
P2 = 1 MB
P3 = 1.5 MB
TcwsX: Contact Window Start Time of Presentation X
TcweX: Contact Window End Time of Presentation X
TvX : Presentation Viewing Time of Presentation X
PX : Presentation x where x=1,2,3

FIG. 13

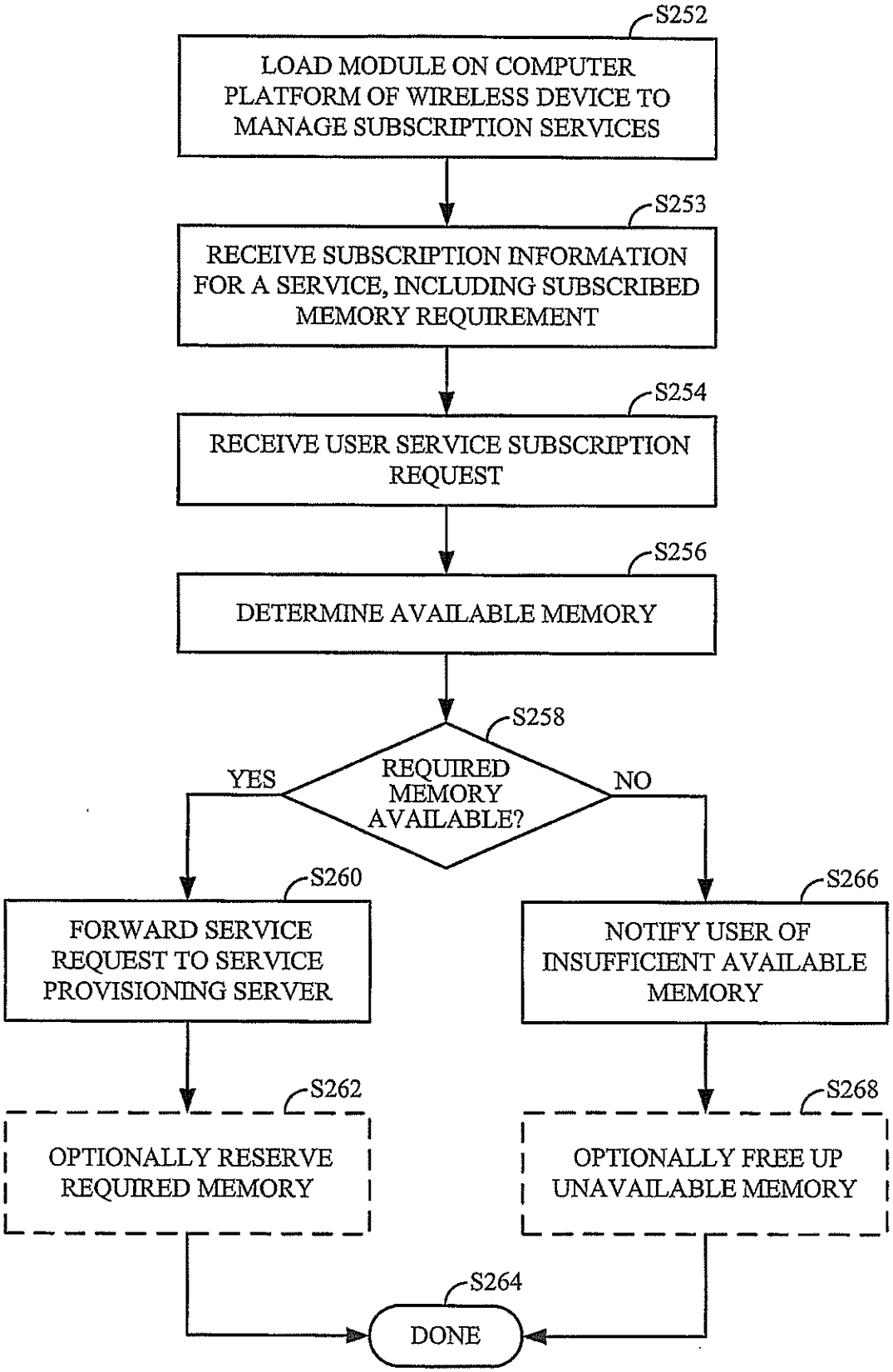

S252
LOAD MODULE ON COMPUTER PLATFORM OF WIRELESS DEVICE TO MANAGE SUBSCRIPTION SERVICES
S253
RECEIVE SUBSCRIPTION INFORMATION FOR A SERVICE, INCLUDING SUBSCRIBED MEMORY REQUIREMENT
S254
RECEIVE USER SERVICE SUBSCRIPTION REQUEST
S256
DETERMINE AVAILABLE MEMORY
S258
REQUIRED MEMORY AVAILABLE?
YES
NO
S260
FORWARD SERVICE REQUEST TO SERVICE PROVISIONING SERVER
S262
OPTIONALLY RESERVE REQUIRED MEMORY
S266
NOTIFY USER OF INSUFFICIENT AVAILABLE MEMORY
S268
OPTIONALLY FREE UP UNAVAILABLE MEMORY
S264
DONE

FIG. 14