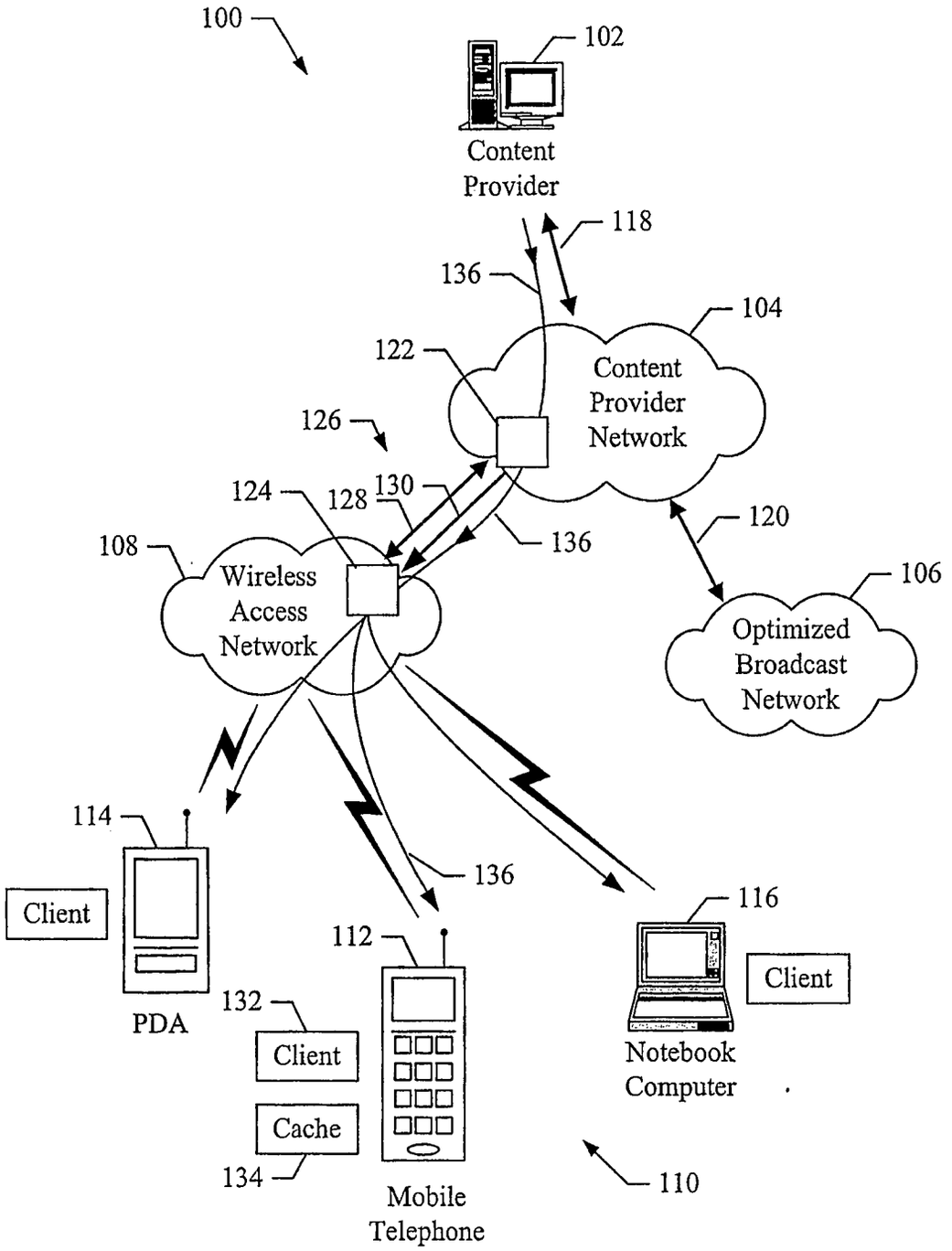

100
102
Content Provider
118
136
104
122
Content Provider Network
126
124
128
130
136
120
108
Wireless Access Network
106
Optimized Broadcast Network
114
Client
PDA
136
116
112
Client
132
Client
Notebook Computer
Cache
134
110
Mobile Telephone

FIG. 1

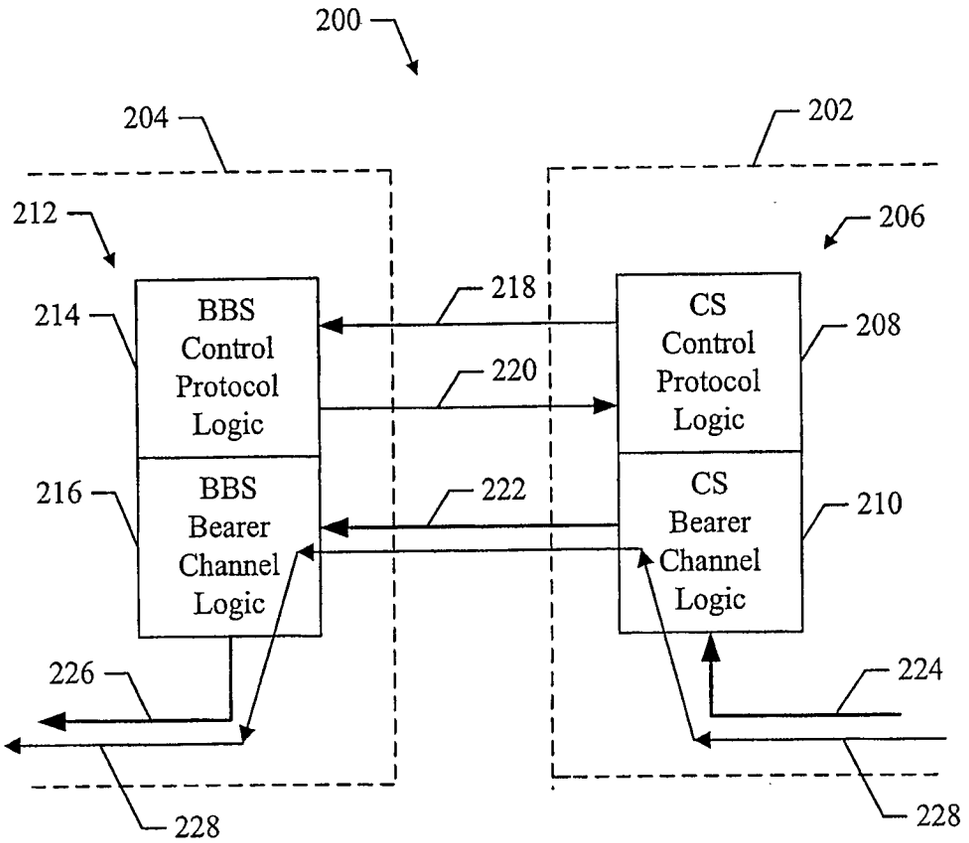

200
204
202
212
206
214
BBS Control Protocol Logic
218
220
CS Control Protocol Logic
208
216
BBS Bearer Channel Logic
222
CS Bearer Channel Logic
210
226
224
228
228

FIG. 2

300

	Message	Function
302	AddFlowRequest()	Sent by CS to BBS to add a content flow
304	AddFlowResponse()	Sent by BSS to CS with result of AddFlowRequest message
306	ModifyFlowRequest()	Sent by CS to BBS to modify parameters of a provisioned flow
308	ModifyFlowResponse()	Sent by BBS to CS with result of ModifyFlowRequest message
310	RemoveFlowRequest()	Sent by CS to BBS to remove a content flow
312	RemoveFlowResponse()	Sent by BBS to CS with result of the RemoveFlowRequest message
314	RegistrationReportRequest()	Sent by CS to BBS to request registration count
316	RegistrationReportResponse()	Sent by BBS to CS to report number of registrations
318	StatisticsCheckRequest()	Sent by CS to BBS to check status of a flow
320	StatisticsCheckResponse()	Sent by BBS to the CS with the result of the StatisticCheckRequest message
322	LatencyCheckRequest()	Sent by CS to BBS to get an estimatet of the latency to transmit a flow
324	LatencyCheckResponse()	Sent by BBS to CS to report transmission latency

FIG. 3

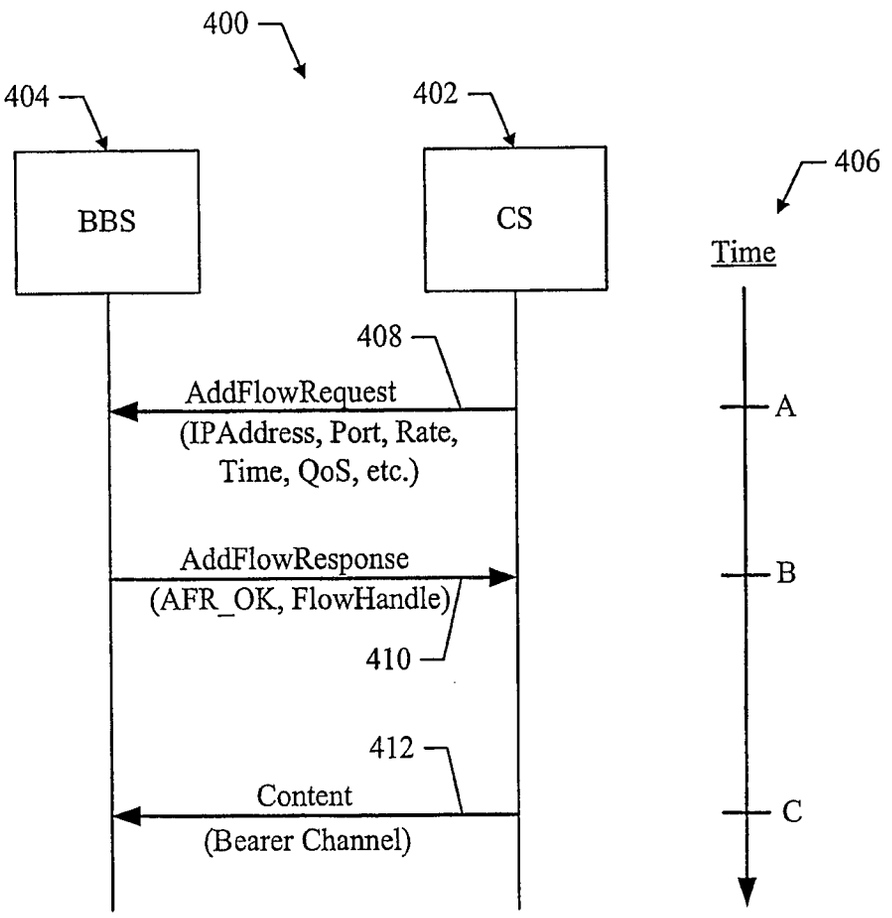

400
404
402
406
BBS
CS
Time
408
AddFlowRequest
(IPAddress, Port, Rate,
Time, QoS, etc.)
A
AddFlowResponse
(AFR_OK, FlowHandle)
B
410
412
Content
(Bearer Channel)
C

FIG. 4

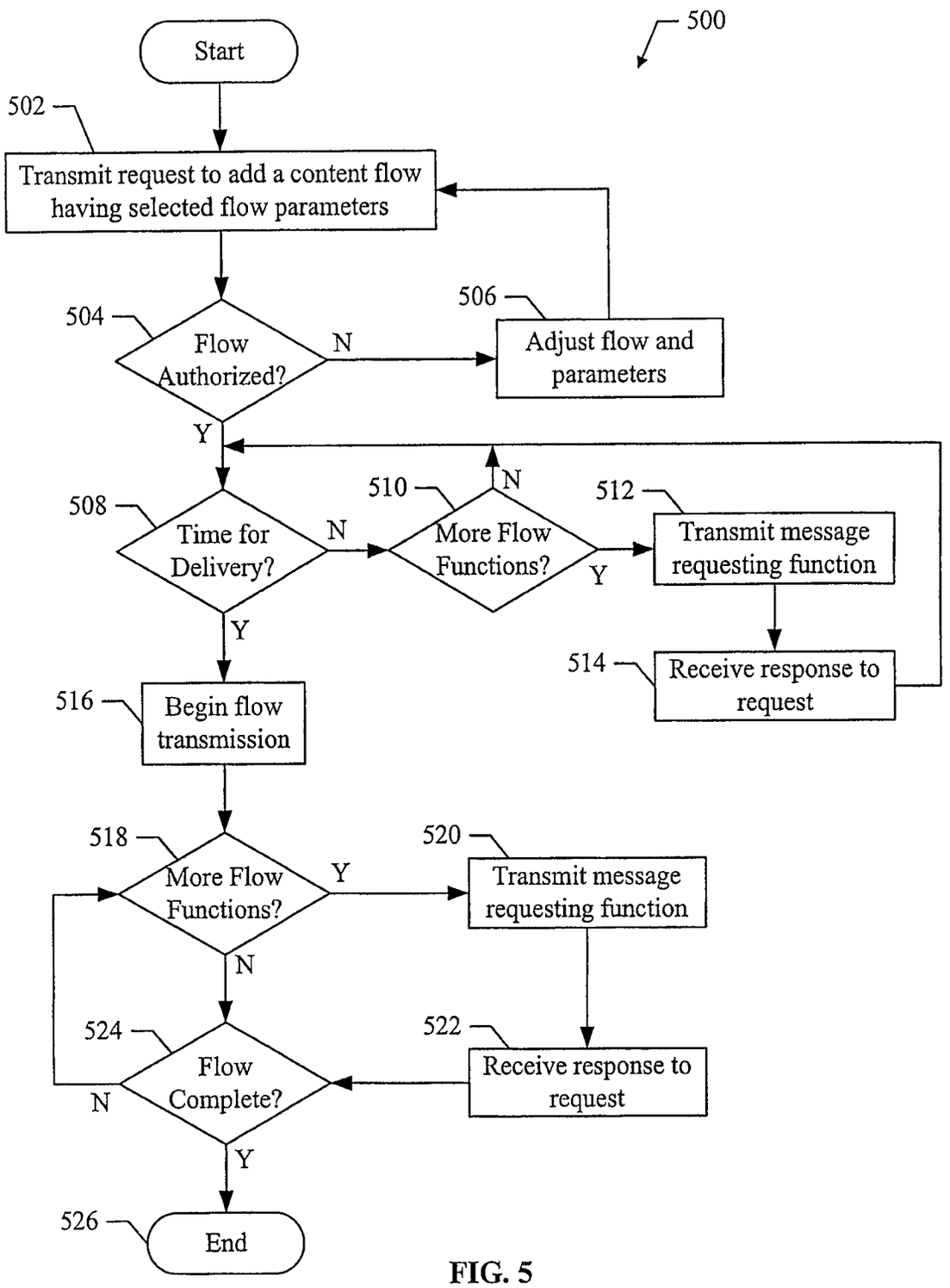

500
Start
502
Transmit request to add a content flow having selected flow parameters
504
Flow Authorized?
N
506
Adjust flow and parameters
Y
508
Time for Delivery?
N
510
More Flow Functions?
N
Y
512
Transmit message requesting function
514
Receive response to request
Y
516
Begin flow transmission
518
More Flow Functions?
Y
520
Transmit message requesting function
N
524
Flow Complete?
N
522
Receive response to request
Y
526
End

FIG. 5

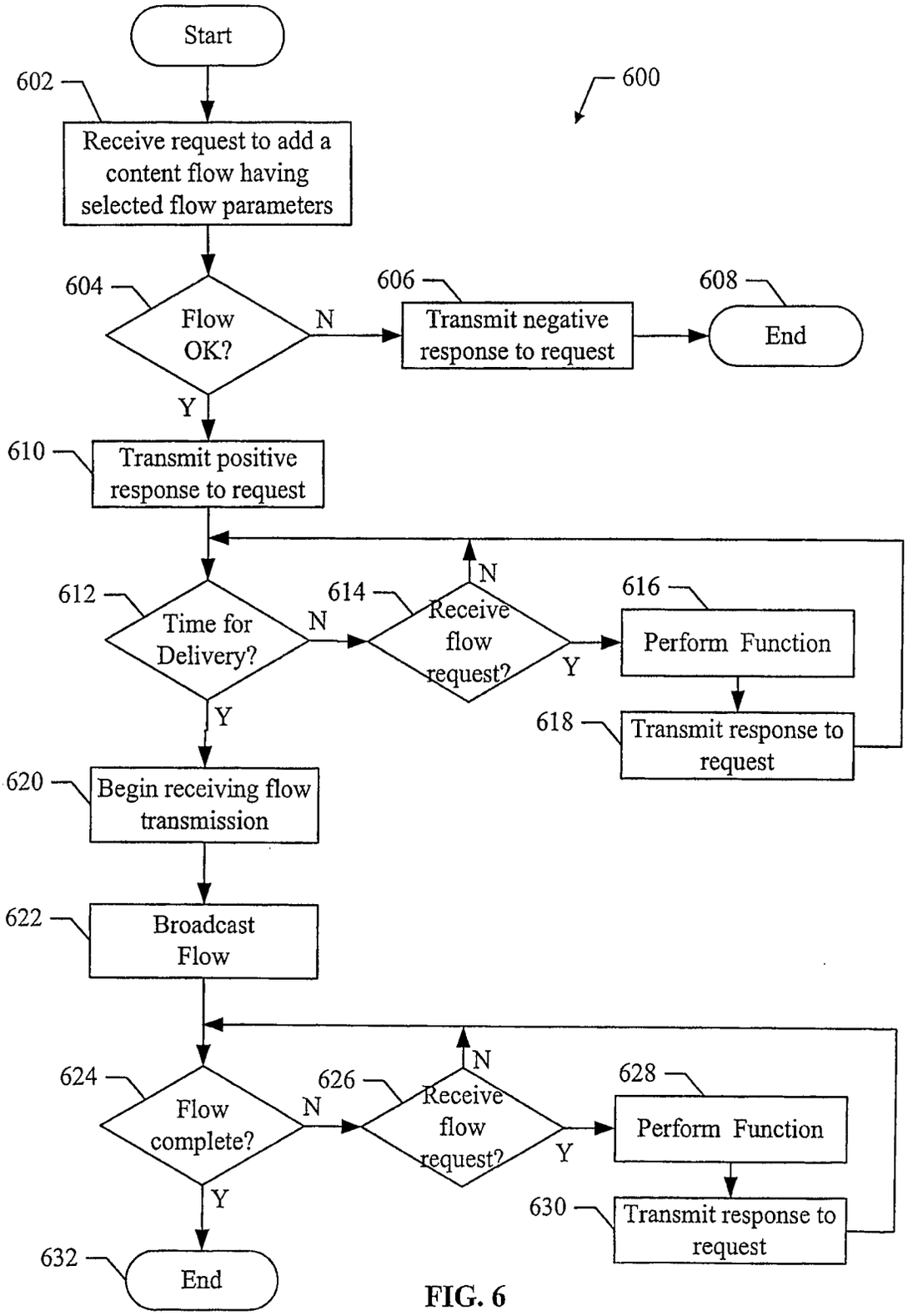

Start
600
602
Receive request to add a content flow having selected flow parameters
604
Flow OK?
N
606
Transmit negative response to request
608
End
Y
610
Transmit positive response to request
612
Time for Delivery?
N
614
Receive flow request?
N
Y
616
Perform Function
618
Transmit response to request
Y
620
Begin receiving flow transmission
622
Broadcast Flow
624
Flow complete?
N
626
Receive flow request?
N
Y
628
Perform Function
630
Transmit response to request
Y
632
End

FIG. 6