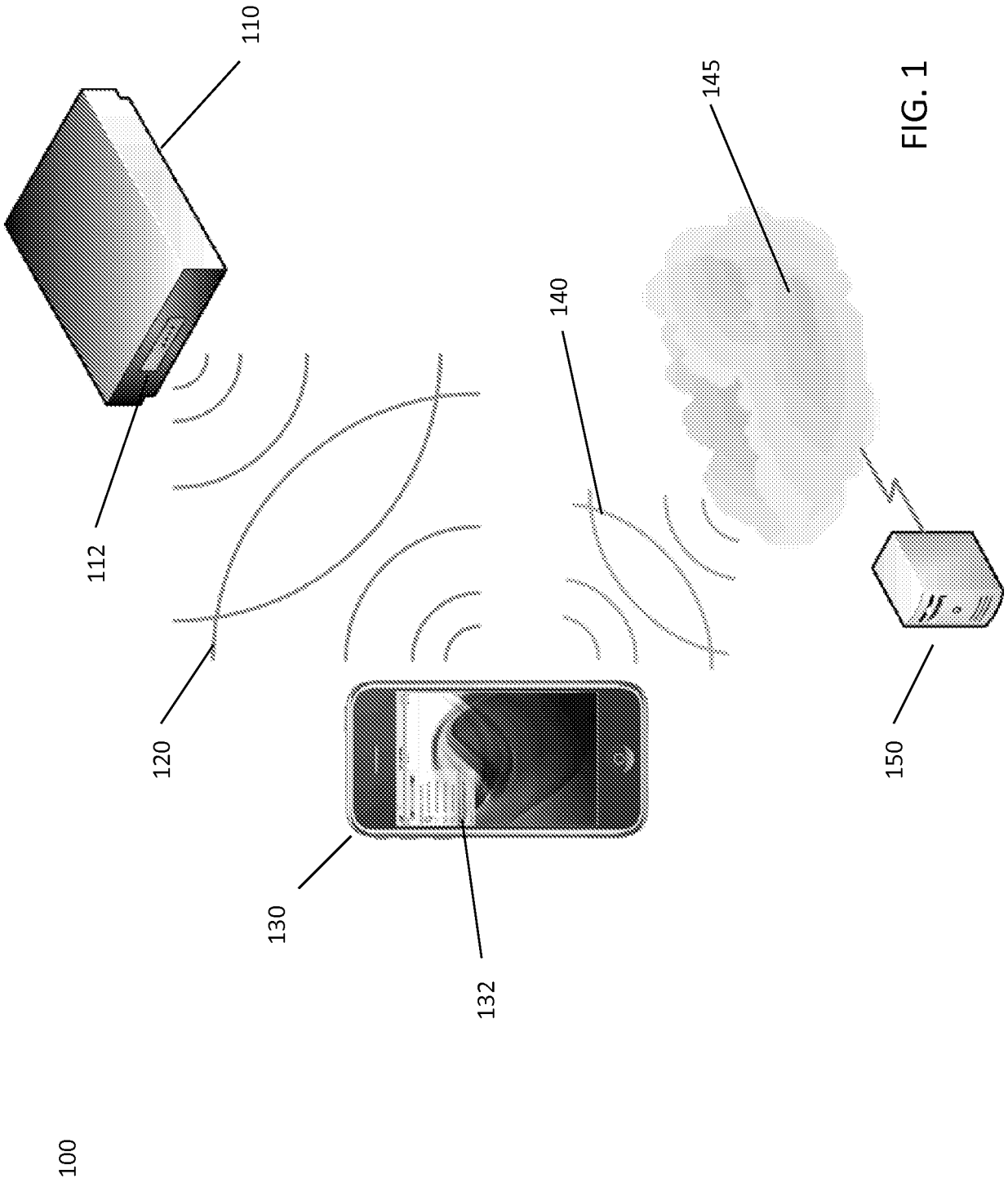

FIG. 1

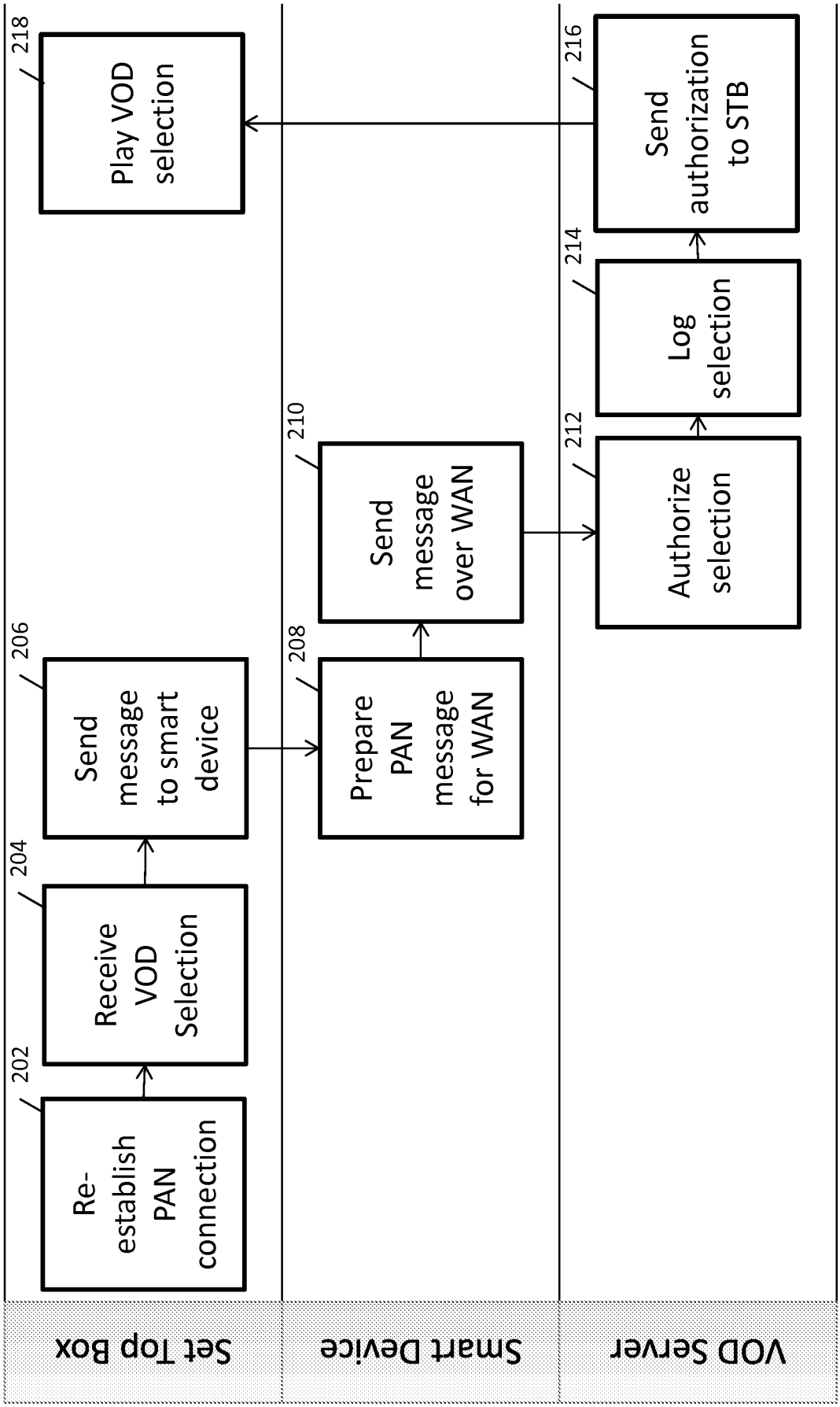
Set Top Box
Smart Device
VOD Server
Re-establish PAN connection
202
Receive VOD Selection
204
Send message to smart device
206
Prepare PAN message for WAN
208
Send message over WAN
210
Authorize selection
212
Log selection
214
Send authorization to STB
216
Play VOD selection
218
200

Fig. 2

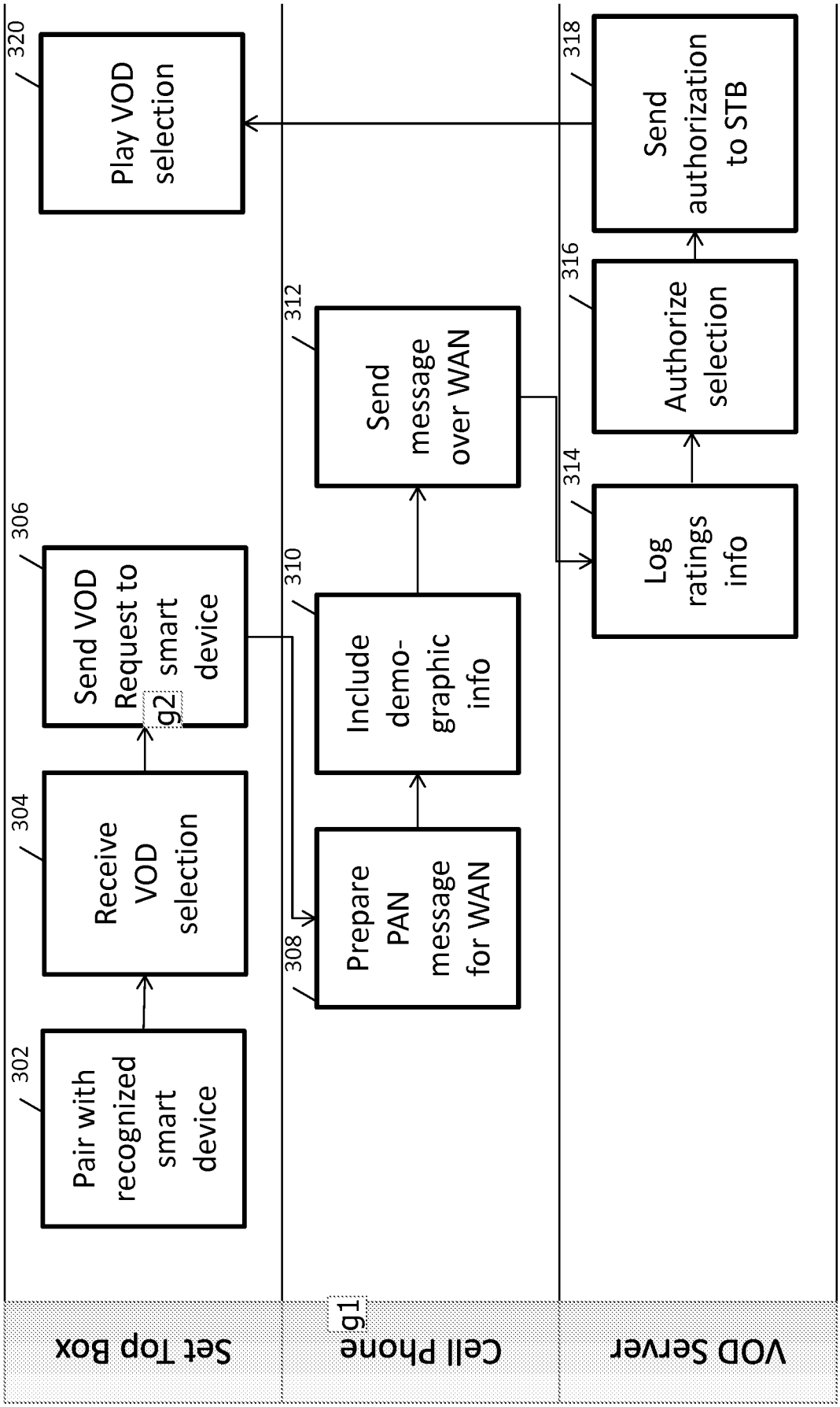
Set Top Box
Cell Phone
VOD Server
g1
Pair with recognized smart device
302
Receive VOD selection
304
Send VOD Request to smart device
g2
306
Prepare PAN message for WAN
308
Include demo-graphic info
310
Send message over WAN
312
Log ratings info
314
Authorize selection
316
Send authorization to STB
318
Play VOD selection
320
300

Fig. 3

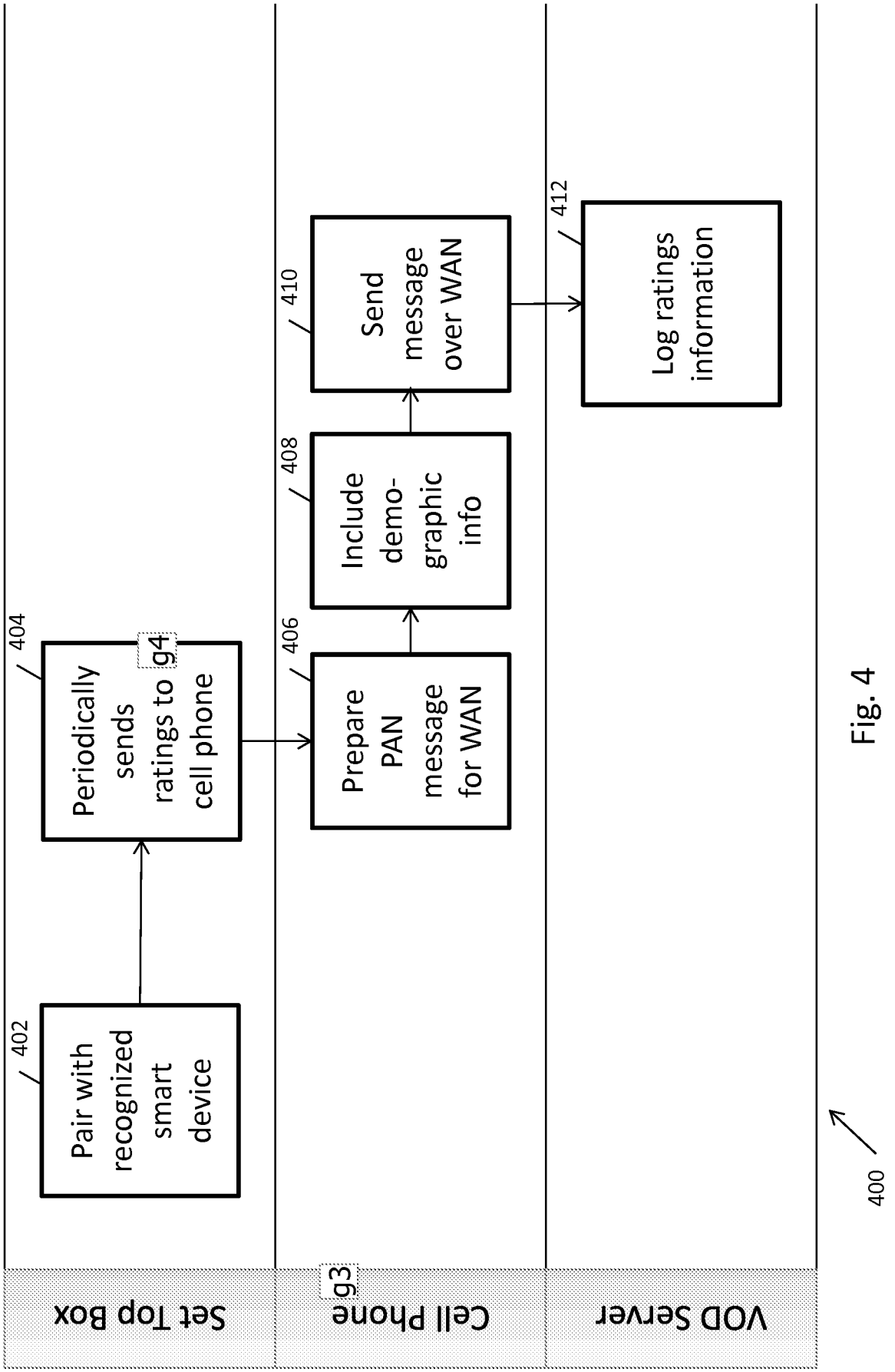
Set Top Box
Cell Phone
VOD Server
Pair with recognized smart device
402
Periodically sends ratings to cell phone
404
g4
Prepare PAN message for WAN
406
Include demo-graphic info
408
Send message over WAN
410
Log ratings information
412
g3
400

Fig. 4

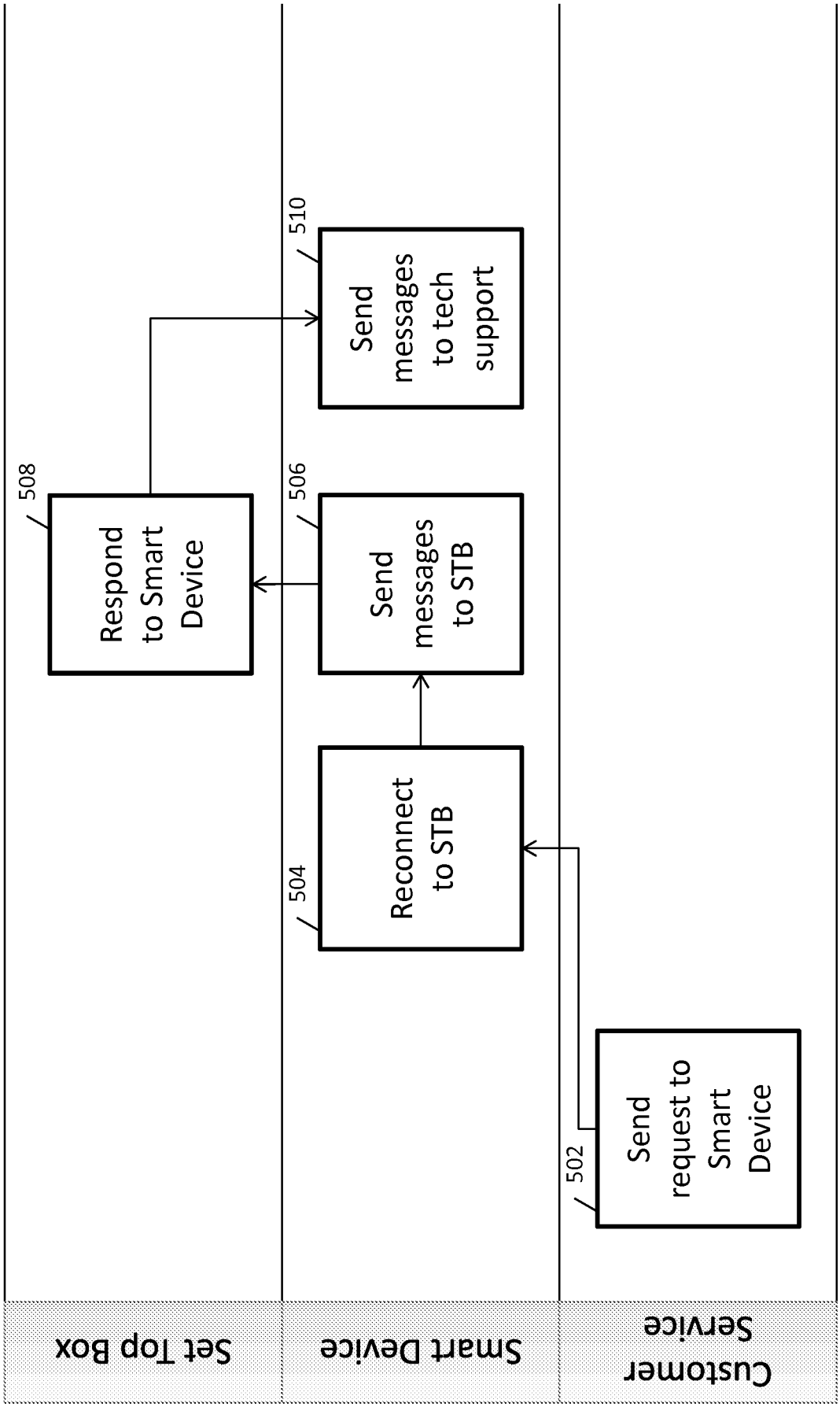
Customer Service
Smart Device
Set Top Box
Send request to Smart Device
502
Reconnect to STB
504
Send messages to STB
506
Respond to Smart Device
508
Send messages to tech support
510
500

Fig. 5

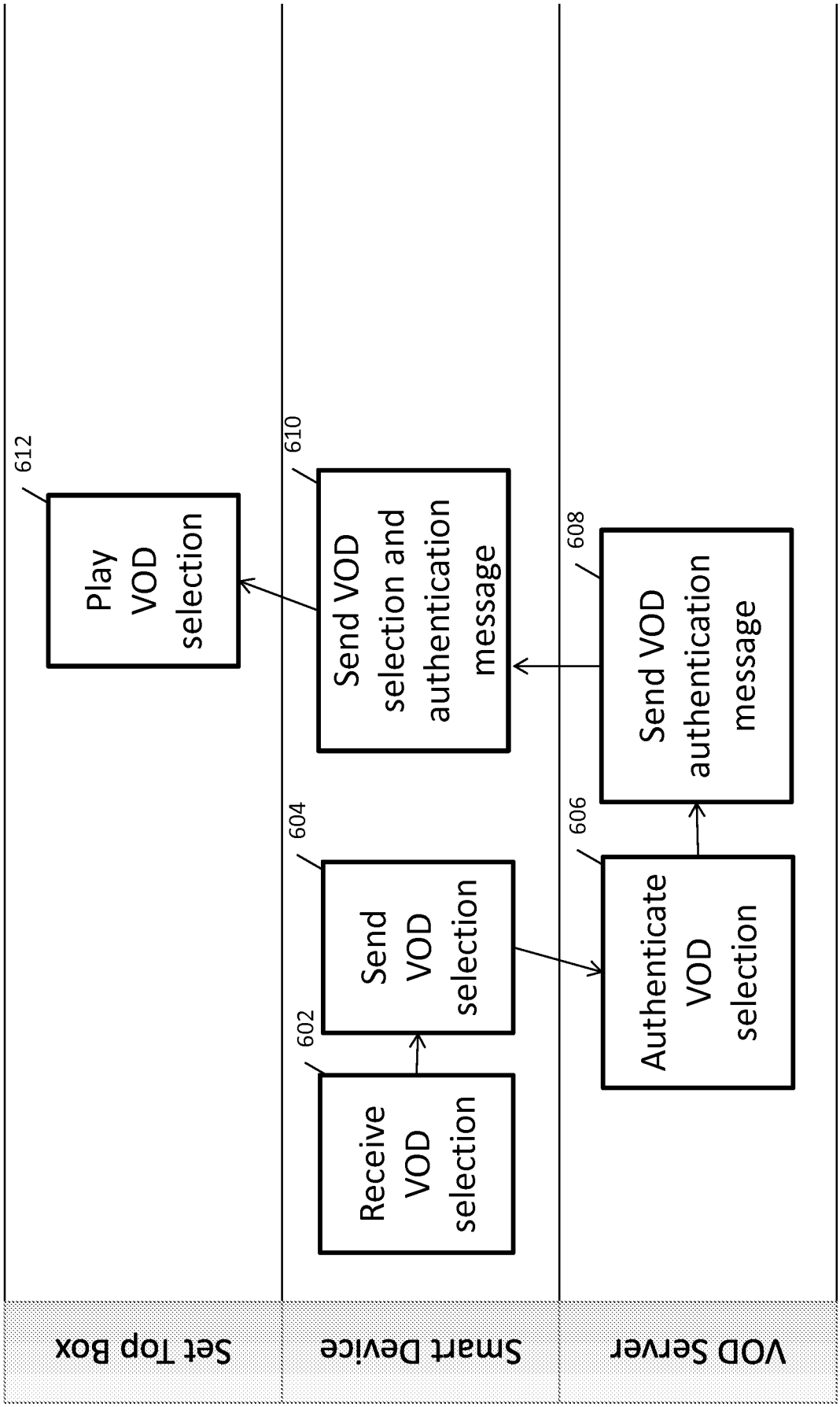
Set Top Box
Smart Device
VOD Server
Receive VOD selection
602
Send VOD selection
604
Authenticate VOD selection
606
Send VOD authentication message
608
Send VOD selection and authentication message
610
Play VOD selection
612
600

Fig. 6

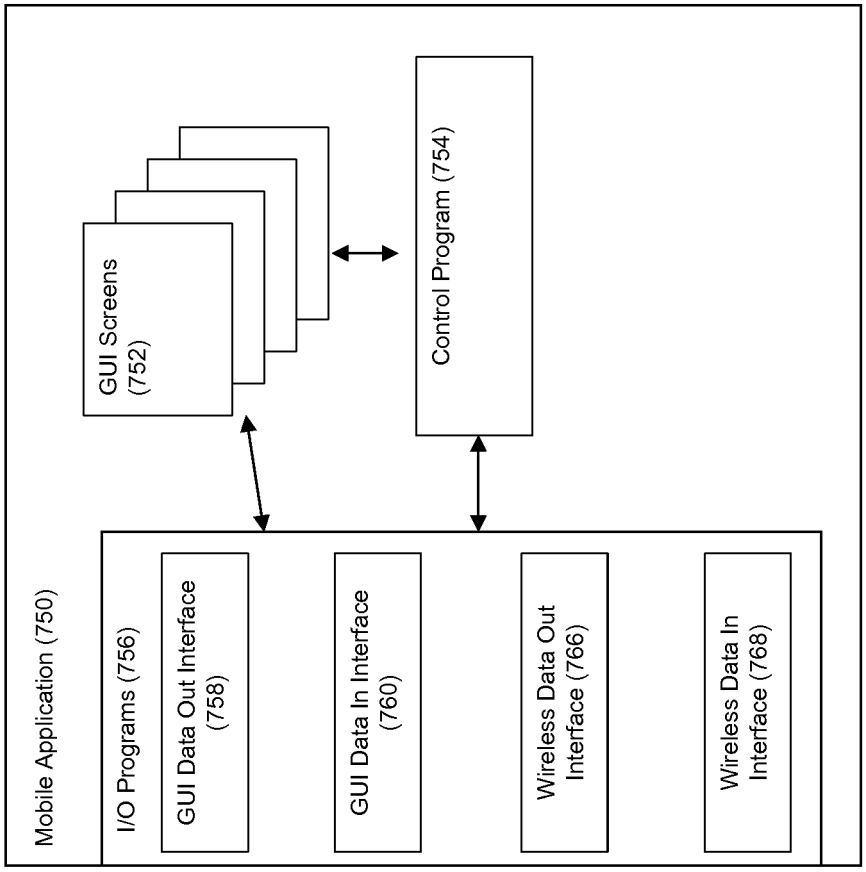

Figure 7(b)

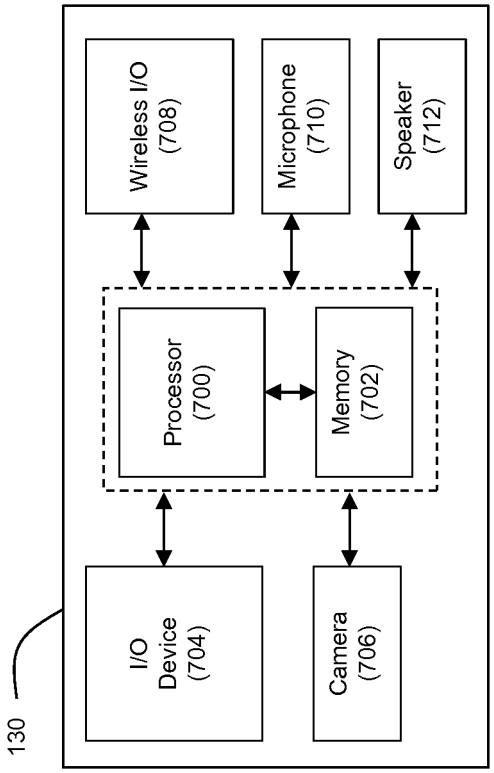

Figure 7(a)