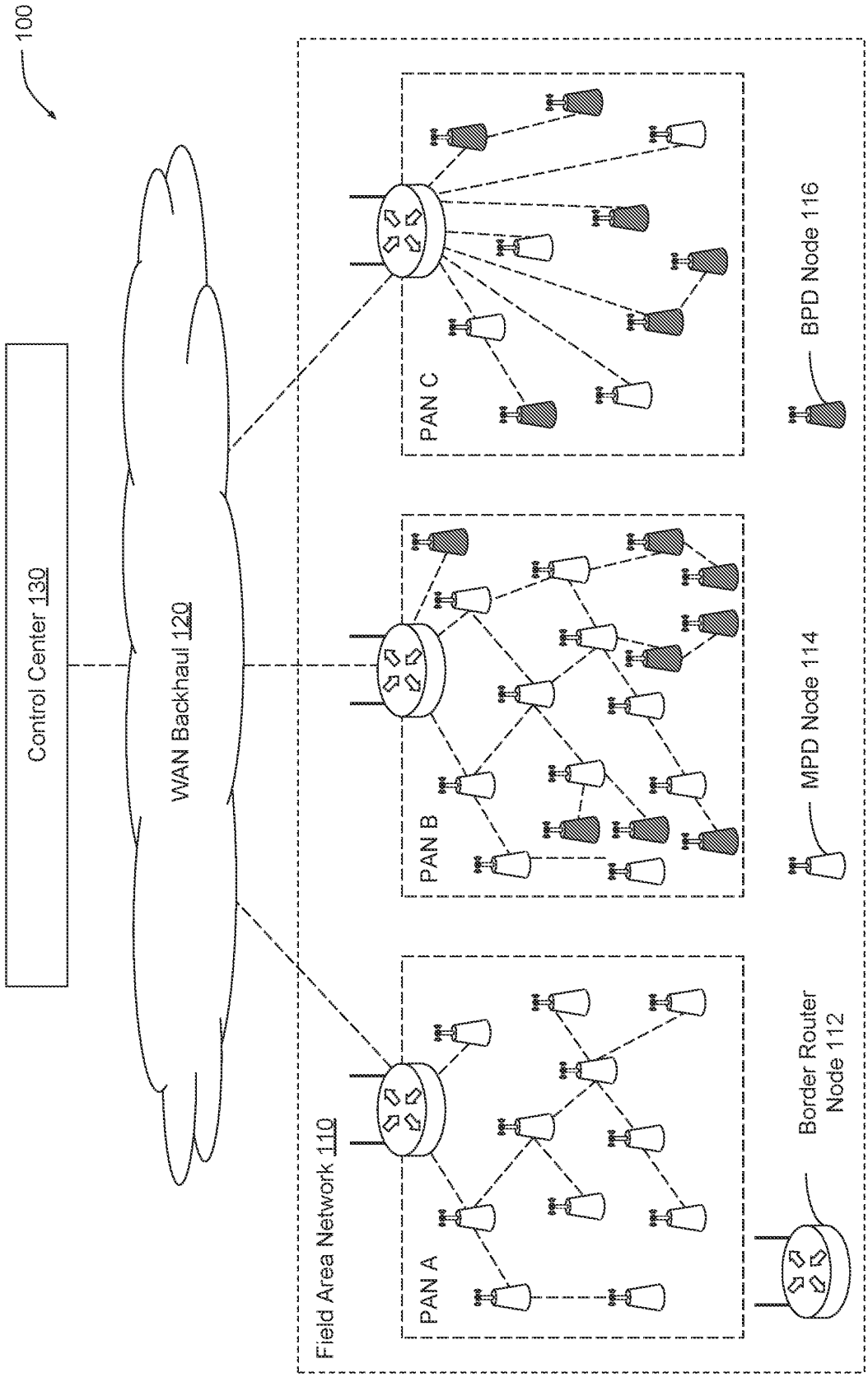

100
Control Center 130
WAN Backhaul 120
Field Area Network 110
PAN A
PAN B
PAN C
Border Router Node 112
MPD Node 114
BPD Node 116

FIG. 1

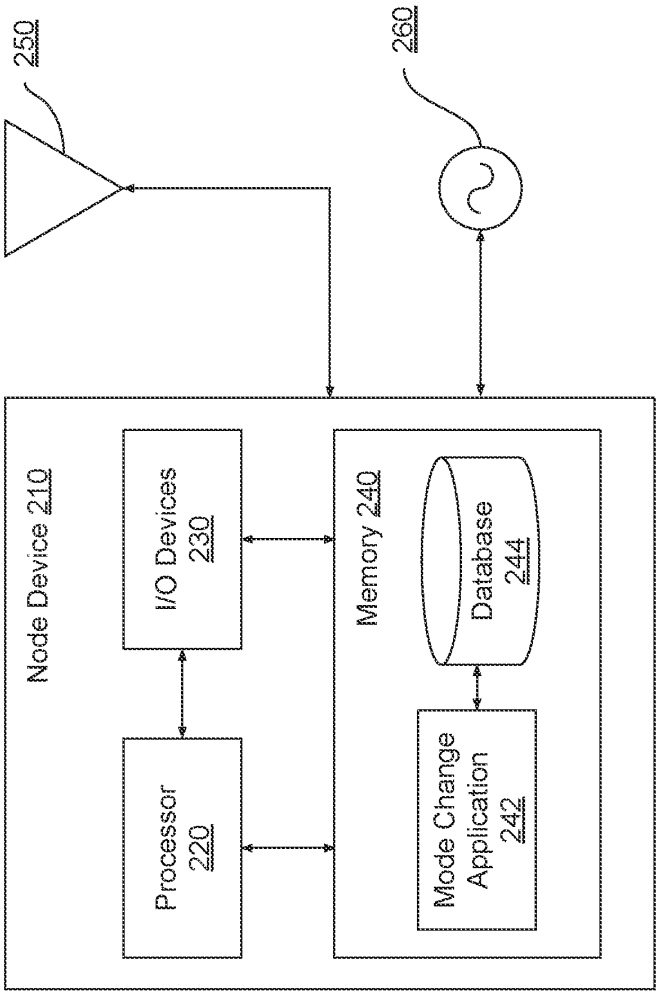

250
260
Node Device 210
I/O Devices 230
Processor 220
Memory 240
Database 244
Mode Change Application 242

FIG. 2

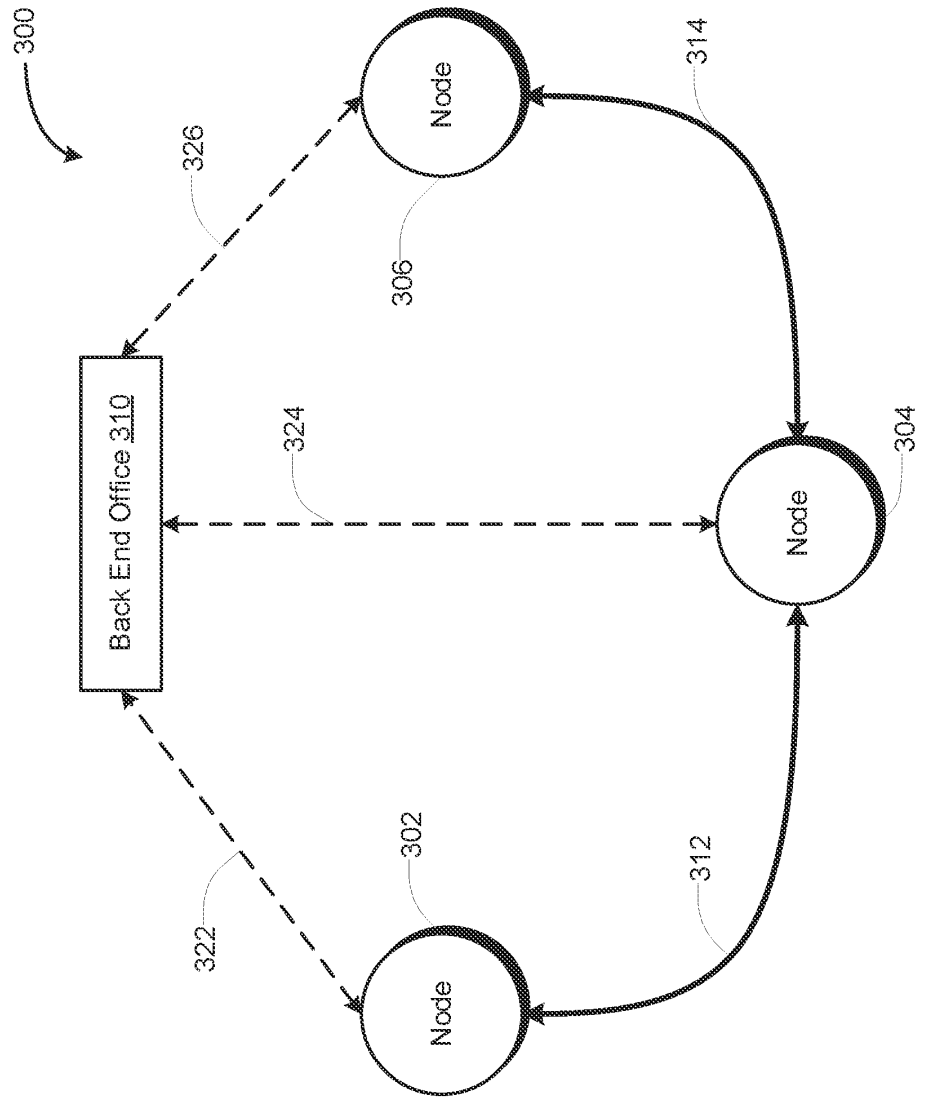

300
Back End Office 310
Node
Node
Node
302
304
306
312
314
322
324
326

FIG. 3

400

410 420 430 401

Mode #	Data Rate (bps)	Modulation	
0	50K	2 FSK	402-1
1	100K	2 FSK	402-2
2	150K	2 FSK	402-3
3	300K	2 FSK	402-4
6	150K	OFDM 4	402-5
7	200K	OFDM 4	402-6
8	300K	OFDM 4	402-7
9	600K	OFDM 3	402-8
10	800K	OFDM 1	402-9
11	1200K	OFDM 1	402-10
12	2400K	OFDM 1	402-11

FIG. 4A

440

450 460 441

Mode in Use	Mode #	
Default	2	442-1
1	3	442-2
2	9	442-3

FIG. 4B

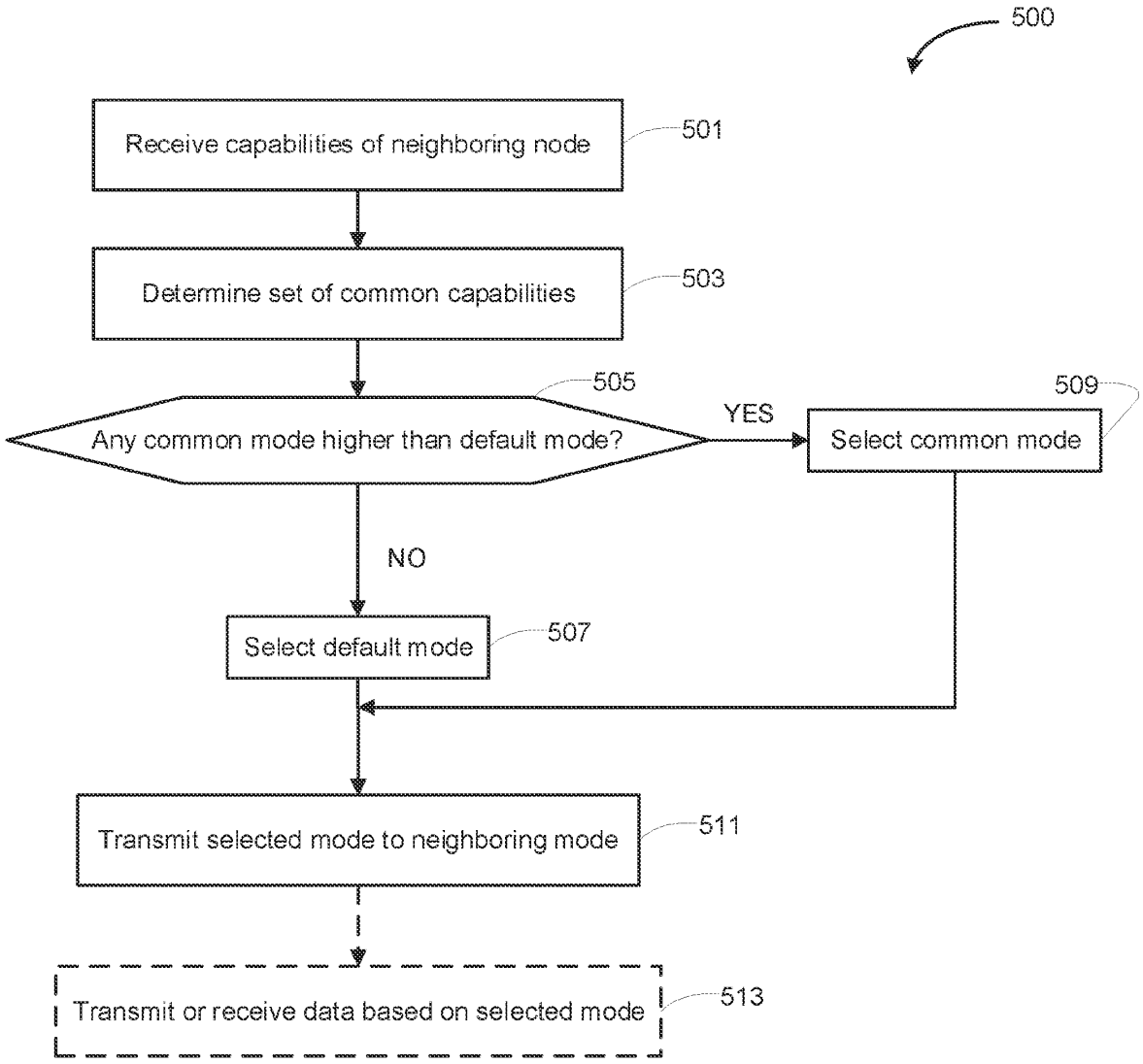

500
Receive capabilities of neighboring node
501
Determine set of common capabilities
503
Any common mode higher than default mode?
505
YES
Select common mode
509
NO
Select default mode
507
Transmit selected mode to neighboring mode
511
Transmit or receive data based on selected mode
513

FIG. 5