

CLAIMS

WHAT IS CLAIMED IS:

1. A method of wireless communication by a first device, comprising:
determining a first interval between a first page transmission time and a second page transmission time, wherein a third page transmission time exists between the first page transmission time and the second page transmission time;
entering a first state during which the first device is monitoring for a page transmission from a second device based on the first interval for a first state time period;
and
entering, from the first state in response to a trigger event, a second state during which the first device is disabled from monitoring for a page transmission from the second device.
2. The method of claim 1, wherein the trigger event includes reception of a page associated with the second page transmission time before expiration of the first state time period.
3. The method of claim 1, wherein the trigger event includes expiration of the first state time period.
4. The method of claim 1, wherein entering the second state comprises:
entering the second state for the duration of the first interval; or
entering the second state for the duration of the first interval minus an elapsed period of time corresponding to the first state time period.
5. The method of claim 1, wherein the first interval has a start time and an end time, the start time of the first interval being relative to the first page transmission time and the end time of the first interval being relative to the second page transmission time.
6. The method of claim 5, wherein the end time of the first interval is relative to a start time of the first state time period.

7. The method of claim 6, wherein the start time of the first state time period is before the end time of the first interval.
8. The method of claim 1, further comprising:
receiving, from the second device, a message including the first interval, wherein determining the first interval includes determining the first interval from the received message.
9. The method of claim 1, further comprising:
sending, to the second device, a first message including a second interval; and
receiving, from the second device, a second message including the first interval, wherein determining the first interval includes determining the first interval from the received message.
10. The method of claim 9, wherein the second interval is equal to the first interval.
11. The method of claim 9, wherein the second interval is different from the first interval.
12. The method of claim 1, further comprising:
receiving a page associated with the first page transmission time; and
entering the second state for the duration of the interval in response to receiving the page associated with the first page transmission time, wherein entering the first state occurs after entering the second state for the duration of the interval in response to receiving the page associated with the first page transmission time.
13. The method of claim 1, further comprising:
receiving a page associated with the second page transmission time, wherein the page includes information for processing by the first device.
14. The method of claim 13, wherein the information for processing by the first device includes information indicative of a schedule for communication with the second device.

15. The method of claim 13, wherein the information for processing by the first device includes information indicative of a change to the first interval.
16. The method of claim 1, wherein the first and second page transmission times are each a respective time at which the second device is scheduled to broadcast a respective page.
17. A first device, comprising:
a memory; and
at least one processor communicatively coupled to the memory, wherein the at least one processor is configured to:
determine a first interval between a first page transmission time and a second page transmission time, wherein a third page transmission time exists between the first page transmission time and the second page transmission time;
cause the first device to enter a first state during which the first device is configured to monitor for a page transmission from a second device based on the first interval for a first state time period; and
cause the first device to enter, from the first state in response to a trigger event, a second state during which the first device is disabled from monitoring for a page transmission from the second device .
18. The first device of claim 17, wherein the trigger event includes reception of a page associated with the second page transmission time before expiration of the first state time period.
19. The first device of claim 17, wherein the trigger event includes expiration of the first state time period.
20. The first device of claim 17, wherein to enter the second state, the at least one processor is configured to:
cause the first device to enter the second state for the duration of the first interval;
or
cause the first device to enter the second state for the duration of the first interval minus an elapsed period of time corresponding to the first state time period.

21. The first device of claim 17, wherein the first interval has a start time and an end time, the start time of the first interval being relative to the first page transmission time and the end time of the first interval being relative to the second page transmission time.
22. The first device of claim 21, wherein the end time of the first interval is relative to a start time of the first state time period.
23. The first device of claim 22, wherein the start time of the first state time period is before the end time of the first interval.
24. The first device of claim 17, wherein the at least one processor is configured to:
receive, from the second device, a message including the first interval, wherein to determine the first interval, the at least one processor is configured to determine the first interval from the received message.
25. The first device of claim 17, wherein the at least one processor is configured to:
cause a first message including a second interval to be transmitted to the second device; and
receive, from the second device, a second message including the first interval, wherein to determine the first interval, the at least one processor is configured to determine the first interval from the received message.
26. The first device of claim 25, wherein the second interval is equal to the first interval.
27. The first device of claim 25, wherein the second interval is different from the first interval.
28. The first device of claim 17, wherein the at least one processor is configured to:
receive a page associated with the first page transmission time; and
cause the first device to enter the second state for the duration of the interval in response to reception of the page associated with the first page transmission time, wherein the at least one processor is configured to enter the first state after entering the second

state for the duration of the interval in response to reception of the page associated with the first page transmission time.

29. The first device of claim 17, wherein the at least one processor is configured to: receive a page associated with the second page transmission time, wherein the page includes information for processing by the first device.

30. The first device of claim 29, wherein the information for processing by the first device includes information indicative of a schedule for communication with the second device.

31. The first device of claim 29, wherein the information for processing by the first device includes information indicative of a change to the first interval.

32. The first device of claim 17, wherein the first and second page transmission times are each a respective time at which the second device is scheduled to broadcast a respective page.

33. A method of wireless communication by a first device, comprising:
receiving, from a second device, a first message;
determining a first interval based on the first message for establishing a schedule with the second device, the schedule including the first interval between a first page transmission time and a second page transmission time, wherein a third page transmission time exists between the first page transmission time and the second page transmission time; and
sending a second message including the first interval to the second device for establishing the schedule with the second device.

34. The method of claim 33, wherein the first message includes a second interval.

35. The method of claim 34, wherein the first interval is equal to the second interval.

36. The method of claim 34, wherein the first interval is different from the second interval.

37. The method of claim 33, wherein the first interval has a start time and an end time, the start time of the first interval being relative to the first page transmission time and the end time of the first interval being relative to the second page transmission time.
38. The method of claim 33, further comprising:
broadcasting a page associated with the second page transmission time, wherein the page includes information for processing by the first device.
39. The method of claim 38, wherein the information for processing by the first device includes information indicative of a schedule for communication with the second device.
40. The method of claim 38, wherein the information for processing by the first device includes information indicative of a change to the first interval.
41. A first device, comprising:
a memory; and
at least one processor communicatively coupled to the memory, wherein the at least one processor is configured to:
receive, from a second device, a first message;
determine a first interval based on the first message for establishing a schedule with the second device, the schedule including the first interval between a first page transmission time and a second page transmission time, wherein a third page transmission time exists between the first page transmission time and the second page transmission time; and
cause the first device to send a second message including the first interval to the second device for establishing the schedule with the second device.
42. The first device of claim 41, wherein the first message includes a second interval.
43. The first device of claim 42, wherein the first interval is equal to the second interval.

44. The first device of claim 42, wherein the first interval is different from the second interval.
45. The first device of claim 41, wherein the first interval has a start time and an end time, the start time of the first interval being relative to the first page transmission time and the end time of the first interval being relative to the second page transmission time.
46. The first device of claim 41, wherein the at least one processor is configured to:
cause the first device to broadcast a page associated with the second page transmission time, wherein the page includes information for processing by the first device.
47. The first device of claim 46, wherein the information for processing by the first device includes information indicative of a schedule for communication with the second device.
48. The first device of claim 46, wherein the information for processing by the first device includes information indicative of a change to the first interval.
49. The first device of claim 41, wherein the at least one processor is configured to:
cause the first device to broadcast a page associated with the second page transmission time, wherein the page includes information indicative of a change to the first interval.
50. The method of claim 1, wherein a plurality of page transmission times exist between the first page transmission time and the second page transmission time, wherein the plurality of page transmission times includes the third page transmission time.
51. The first device of claim 17, wherein a plurality of page transmission times exist between the first page transmission time and the second page transmission time, wherein the plurality of page transmission times includes the third page transmission time.

52. The method of claim 33, wherein a plurality of page transmission times exist between the first page transmission time and the second page transmission time, wherein the plurality of page transmission times includes the third page transmission time.

53. The first device of claim 41, wherein a plurality of page transmission times exist between the first page transmission time and the second page transmission time, wherein the plurality of page transmission times includes the third page transmission time.