~~Amended Set of Claims 1-53~~

CLAIMS

1. ~~——~~A method of wireless communication by a first device, comprising:

~~———~~ determining ~~a first~~an interval between a first page transmission time and a second page transmission time~~, wherein~~ of a ~~third~~sequence of page transmission ~~time exists between~~ times, wherein the first page transmission time and the second page transmission time~~;~~

~~———~~ are non-consecutive page transmission times of the sequence of page transmission times; entering ~~a first~~, based on the interval, an awake state during which the first device is monitoring for a page transmission ~~from a~~ associated with the sequence of page transmission times from the second device ~~based on the first interval~~, wherein the entering of the awake state is from a sleep state and for ~~a first~~an awake state time period~~, wherein the first state time period is based on at least one of: a power state of the first device or a condition of a channel over which the first device is configured to communicate with the second device; and~~

~~———~~; entering, from the ~~first~~awake state and in response to a trigger event, ~~a second~~the sleep 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~~awake state time period; and modifying a page monitoring schedule associated with the interval based on the page associated with the second page transmission time.

~~3. The method of claim 1, wherein the trigger event includes expiration of the first state time period.~~

~~4.~~ ~~——~~2. The method of claim 1, wherein entering the ~~second~~sleep state comprises:

entering the ~~second~~sleep state for ~~the~~a duration of the ~~first~~ interval; or

entering the ~~second~~sleep state for the duration of the ~~first~~ interval minus an elapsed period of time corresponding to the ~~first~~awake state time period.

~~5.~~ 3. 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.~~ 4. The method of claim ~~5~~3, wherein the end time of the ~~first~~ interval is relative to a start time of the ~~first~~awake state time period.

~~7.~~ 5. The method of claim ~~6~~4, wherein the start time of the ~~first~~awake state time period is before the end time of the ~~first~~ interval.

~~8.~~ 6. 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~~7. The method of claim 1, wherein the interval is a first interval, and the method ~~of claim 1,~~ further ~~comprising:~~

~~—~~comprises: 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.~~ 8. The method of claim ~~9~~7, wherein the second interval is equal to the first interval.

~~11.~~ 9. The method of claim ~~9~~7, wherein the second interval is different from the first interval.

~~12.~~ 10. The method of claim 1, further comprising:

~~—~~ receiving a page associated with the first page transmission time; and

~~—~~ entering the ~~second~~sleep state for ~~the~~a duration of the interval in response to receiving the page associated with the first page transmission time, wherein entering the ~~first~~awake state occurs after entering the ~~second~~sleep state for the duration of the interval in response to receiving the page associated with the first page transmission time.

~~13.~~ 11. The method of claim 1, further comprising:

receiving ~~a~~the page associated with the second page transmission time, wherein the page includes information for processing by the first device.

~~14.~~ 12. The method of claim ~~13~~11, wherein the information for processing by the first device ~~includes information indicative of~~indicates a schedule for communication with the second device.

~~15.~~ 13. The method of claim ~~13~~11, wherein the information for processing by the first device ~~includes information indicative of~~indicates a change to the ~~first~~ interval.

~~16.~~ 14. The method of claim 1, wherein the first page transmission time and the second page transmission ~~times~~time are each a respective time at which the second device is scheduled to broadcast a respective page.

15. 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 are consecutive page transmission times in the sequence of page transmission times, and wherein page transmission are transmitted at each of the page transmission times of the sequence of page transmission times.

16. The method of claim 1, wherein the interval is based on at least one of a power state of the first device or a channel condition for communication with a second device.

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~~an interval between a first page transmission time and a second page transmission time~~, wherein~~ of a ~~third~~sequence of page transmission ~~time exists~~

~~between~~ times, wherein the first page transmission time and the second page transmission time~~;~~

are non-consecutive page transmission times of the sequence of page transmission times; cause the first device to enter ~~a first~~, based on the interval, an awake state during which the first device is configured to monitor for a page transmission ~~from a~~ associated with the sequence of page transmission times from the second device ~~based on the first interval for a first state time period~~, wherein the ~~first~~entering of the awake state is from a sleep state ~~time period is based on at least one of: a power state of the first device or a condition of a channel over which the first device is configured to communicate with the second device;~~ and

for an awake state time period; cause the first device to enter, from the ~~first~~awake state and in response to a trigger event, ~~a second~~the sleep 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~~awake state time period and modify a page monitoring schedule associated with the interval based on the page associated with the second page transmission time.

~~19. The first device of claim 17, wherein the trigger event includes expiration of the first state time period.~~

~~20.~~ 18. The first device of claim 17, wherein to enter the ~~second~~sleep state, the at least one processor is configured to:

cause the first device to enter the ~~second~~sleep state for ~~the~~a duration of the ~~first~~ interval; or

cause the first device to enter the ~~second~~sleep state for the duration of the ~~first~~ interval minus an elapsed period of time corresponding to the ~~first~~awake state time period.

~~21.~~ 19. 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.~~ 20. The first device of claim ~~21~~19, wherein the end time of the ~~first~~ interval is relative to a start time of the ~~first~~awake state time period.

~~23.~~ 21. The first device of claim ~~22~~20, wherein the start time of the ~~first~~awake state time period is before the end time of the ~~first~~ interval.

~~24.~~ 22. 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.~~ 23. The first device of claim 17, wherein the interval is a first interval, and 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 second message.

~~26.~~ 24. The first device of claim ~~25~~23, wherein the second interval is equal to the first interval.

~~27.~~ 25. The first device of claim ~~25~~23, wherein the second interval is different from the first interval.

~~28.~~ 26. 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~~sleep state for ~~the~~a 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~~awake state after entering the ~~second~~sleep state for the duration of the interval in response to reception of the page associated with the first page transmission time.

~~29.~~ 27. The first device of claim 17, wherein the at least one processor is configured to: receive ~~a~~the page associated with the second page transmission time, wherein the page includes information for processing by the first device.

~~30.~~ 28. The first device of claim ~~29~~27, wherein the information for processing by the first device ~~includes information indicative of~~indicates a schedule for communication with the second device.

~~31.~~ 29. The first device of claim ~~29~~27, wherein the information for processing by the first device ~~includes information indicative of~~indicates a change to the ~~first~~ interval.

~~32.~~ 30. The first device of claim 17, wherein the first page transmission time and the second page transmission ~~times~~time are each a respective time at which the second device is scheduled to broadcast a respective page.

31. 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 are consecutive page transmission times in the sequence of page transmission times, and wherein page transmission are transmitted at each of the page transmission times of the sequence of page transmission times.

32. The first device of claim 17, wherein the interval is based on at least one of a power state of the first device or a channel condition for communication with a second device.

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~~ of a ~~third~~sequence of page transmission ~~time exists between~~ times, wherein the first page transmission time and the second page transmission time~~;~~

——— are non-consecutive page transmission times of the sequence of page transmission times; sending a second message including the first interval to the second device for establishing the schedule with the second device; and sending a page transmission associated with the sequence of page transmission times to the second device at a page transmission time based on the schedule, the page transmission including information indicative of a change to the first interval, wherein the second device is to enter, from a sleep state and based on the first interval, an awake state during which the second device is to monitor for the page transmission from the first device, and wherein the second device is to enter, from the awake state and in response to a trigger event, the sleep state during which the second device is to be disabled from monitoring for a page transmission from the first device, and wherein the trigger event includes reception of a page associated with the second page transmission time by the second device before expiration of an awake state time period.

~~broadcasting a page associated with the second page transmission time, wherein the page includes information for processing by the second device, wherein the information for processing by the second device includes information indicative of a change to the first interval.~~

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 the page associated with the second page transmission time, wherein the page includes information for processing by the second device ~~includes information indicative of~~.

39. The method of claim 38, wherein the information for processing by the second device indicates a schedule for communication with the first device.

40. 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 are consecutive page transmission times in the sequence of page transmission times, and wherein page transmission are transmitted at each of the page transmission times of the sequence of page transmission times.

~~39.~~ 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;

cause the first device to 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~~ of a ~~third~~sequence of page transmission ~~time exists between~~ times, wherein the first page transmission time and the second page transmission time~~;~~

are non-consecutive page transmission times of the sequence of page transmission times; 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; and cause the first device to send a page transmission associated with the sequence of page transmission times to the second device at a page transmission time based on the schedule, the page transmission including information indicative of a change to the first interval, wherein the second device is to enter, from a sleep state and based on the first interval, an awake state during which the second device is to monitor

for the page transmission from the first device, and wherein the second device is to enter, from the awake state and in response to a trigger event, the sleep state during which the second device is to be disabled from monitoring for a page transmission from the first device, and wherein the trigger event includes reception of a page associated with the second page transmission time by the second device before expiration of an awake state time period.

~~cause the first device to broadcast a page associated with the second page transmission time, wherein the page includes information for processing by the second device, wherein the information for processing by the second device includes information indicative of a change to the first interval.~~

~~40.~~ 42. The first device of claim ~~39~~41, wherein the first message includes a second interval.

~~41.~~ 43. The first device of claim ~~40~~42, wherein the first interval is equal to the second interval.

~~42.~~ 44. The first device of claim ~~40~~42, wherein the first interval is different from the second interval.

~~43.~~ 45. The first device of claim ~~39~~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.

~~44.~~ 46. The first device of claim ~~39~~41, wherein the ~~information~~ at least one processor is configured to: cause the first device to broadcast the page associated with the second page transmission time, wherein the page includes information for processing by the second device ~~includes~~.

47. The first device of claim 46, wherein the information ~~indicative of~~ for processing by the second device indicates a schedule for communication with the first device.

45. 48. The methodfirst device of claim 141, wherein a plurality of page transmission times exist between the first page transmission time andat least one processor is configured to: cause the second page transmission time, whereinfirst device to broadcast the plurality of page transmission times includes the third page transmission time.

46. The first device of claim 17, wherein a plurality of page transmission times exist between the first page transmission time andassociated with the second page transmission time, wherein the plurality of page transmission times includes information indicative of a change to the third page transmission timefirst interval.

47. 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.

48. 49. The first device of claim 3941, 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.
are consecutive page transmission times in a sequence of page transmission times, and wherein page transmission are transmitted at each of the page transmission times of the sequence of page transmission times.