

CLAIMS

1. A method of communication for an apparatus, comprising:
obtaining first sensing information for a first wireless communication link;
obtaining second sensing information for a second wireless communication link;
and
determining whether to transmit on the first wireless communication link based on the first sensing information and the second sensing information.
2. The method of claim 1, wherein:
the first wireless communication link and the second wireless communication link are members of a channel sensing group.
3. The method of claim 2, wherein:
a common set of channel sensing parameters is used for sensing by all member of the channel sensing group.
4. The method of claim 1, further comprising:
communicating first transport blocks via the first wireless communication link if the determination is to transmit,
wherein the first transport blocks are processed independently of second transport blocks communicated via the second wireless communication link.
5. The method of claim 4, wherein error processing of the first transport blocks is independent of error processing of the second transport blocks.
6. The method of claim 4, wherein cyclic redundancy check (CRC) processing of the first transport blocks is independent of CRC processing of the second transport blocks.
7. The method of claim 4, wherein:
the communication of the first transport blocks is via a first beam; and
the communication of the second transport blocks is via a second beam.

8. The method of claim 1, wherein:
the apparatus is a user equipment;
the obtaining of the first sensing information comprises sensing using a first beam associated with the first wireless communication link; and
the obtaining of the second sensing information comprises sensing using a second beam associated with the second wireless communication link.
9. The method of claim 8, further comprising:
determining whether to transmit on the second wireless communication link based on the first sensing information and the second sensing information.
10. The method of claim 8, further comprising:
communicating on the first wireless communication link using a first radio frequency (RF) chain of the apparatus; and
communicating on the second wireless communication link using a second RF chain of the apparatus.
11. The method of claim 8, further comprising:
communicating on the first wireless communication link using a first antenna sub-array of the apparatus; and
communicating on the second wireless communication link using a second antenna sub-array of the apparatus.
12. The method of claim 8, wherein the sensing comprises a listen before talk operation.
13. The method of claim 1, wherein:
the apparatus is a transmit receive point;
the obtaining of the first sensing information comprises sensing using a first beam associated with the first wireless communication link; and
the obtaining of the second sensing information comprises receiving the second sensing information from another apparatus that is configured to sense using a second beam associated with the second wireless communication link.

14. The method of claim 13, further comprising:
outputting the first sensing information for transmission to the other apparatus.

15. An apparatus for communication, comprising:
a memory; and
a processor coupled to the memory, wherein the processor and the memory are configured to:
obtain first sensing information for a first wireless communication link;
obtain second sensing information for a second wireless communication link; and
determine whether to transmit on the first wireless communication link based on the first sensing information and the second sensing information.

16. The apparatus of claim 15, wherein:
the first wireless communication link and the second wireless communication link are members of a channel sensing group.

17. The apparatus of claim 16, wherein:
a common set of channel sensing parameters is used for sensing by all member of the channel sensing group.

18. The apparatus of claim 15, wherein the processor and the memory are further configured to:
determine whether to transmit on the second wireless communication link based on the first sensing information and the second sensing information.

19. The apparatus of claim 15, wherein:
the processor and the memory are further configured to communicate first transport blocks via the first wireless communication link if the determination is to transmit; and
the first transport blocks are processed independently of second transport blocks communicated via the second wireless communication link.

20. The apparatus of claim 15, wherein the processor and the memory are further configured to:

output the first sensing information for transmission to the other apparatus.

21. An apparatus for communication, comprising:

means for obtaining first sensing information for a first wireless communication link;

means for obtaining second sensing information for a second wireless communication link; and

means for determining whether to transmit on the first wireless communication link based on the first sensing information and the second sensing information.

22. The apparatus of claim 21, further comprising:

means for determining whether to transmit on the second wireless communication link based on the first sensing information and the second sensing information.

23. The apparatus of claim 21, further comprising:

means for outputting the first sensing information for transmission to another apparatus.

24. A non-transitory computer-readable medium storing computer-executable code, including code to:

obtain first sensing information for a first wireless communication link;

obtain second sensing information for a second wireless communication link;

and

determine whether to transmit on the first wireless communication link based on the first sensing information and the second sensing information.

25. A method of communication for an apparatus, comprising:

obtaining first sensing information for a first wireless communication link;

determining whether to transmit on the first wireless communication link based on the first sensing information;

obtaining second sensing information for a second wireless communication link;
and

determining whether to transmit on the second wireless communication link based on the second sensing information, wherein the determination of whether to transmit on the second wireless communication link is independent of the determination of whether to transmit on the first wireless communication link.

26. The method of claim 25, wherein:

the obtaining of the first sensing information comprises a first channel sensing operation; and

the obtaining of the second sensing information comprises a second channel sensing operation, wherein the second channel sensing operation is independent of the first channel sensing operation.

27. The method of claim 26, wherein:

the first channel sensing operation uses a first beam; and

the second channel sensing operation uses a second beam.

28. The method of claim 25, further comprising:

communicating first transport blocks via the first wireless communication link if the determination of whether to transmit on the first wireless communication link is to transmit;

communicating second transport blocks via the second wireless communication link if the determination of whether to transmit on the second wireless communication link is to transmit; and

processing the first transport blocks independently of the second transport blocks.

29. The method of claim 28, wherein the processing comprises error

processing.

30. The method of claim 28, wherein the processing comprises cyclic

redundancy check (CRC) processing.

31. The method of claim 28, wherein:
the communication via the first wireless communication link uses a first radio frequency (RF) chain of the apparatus; and
the communication via the second wireless communication link uses a second RF chain of the apparatus.
32. The method of claim 28, wherein:
the communication via the first wireless communication link uses a first antenna sub-array of the apparatus; and
the communication via the second wireless communication link uses a second antenna sub-array of the apparatus.
33. An apparatus for communication, comprising:
a memory; and
a processor coupled to the memory, wherein the processor and the memory are configured to:
obtain first sensing information for a first wireless communication link;
determine whether to transmit on the first wireless communication link based on the first sensing information;
obtain second sensing information for a second wireless communication link; and
determine whether to transmit on the second wireless communication link based on the second sensing information, wherein the determination of whether to transmit on the second wireless communication link is independent of the determination of whether to transmit on the first wireless communication link.
34. The apparatus of claim 33, wherein the processor and the memory are further configured to:
communicate first transport blocks via the first wireless communication link if the determination of whether to transmit on the first wireless communication link is to transmit;

communicate second transport blocks via the second wireless communication link if the determination of whether to transmit on the second wireless communication link is to transmit; and

process the first transport blocks independently of the second transport blocks.

35. An apparatus for communication, comprising:

means for obtaining first sensing information for a first wireless communication link;

means for determining whether to transmit on the first wireless communication link based on the first sensing information;

means for obtaining second sensing information for a second wireless communication link; and

means for determining whether to transmit on the second wireless communication link based on the second sensing information, wherein the determination of whether to transmit on the second wireless communication link is independent of the determination of whether to transmit on the first wireless communication link.

36. The apparatus of claim 35, further comprising:

means for communicating configured to communicate first transport blocks via the first wireless communication link if the determination of whether to transmit on the first wireless communication link is to transmit, and further configured to communicate second transport blocks via the second wireless communication link if the determination of whether to transmit on the second wireless communication link is to transmit; and

means for processing the first transport blocks independently of the second transport blocks.

37. A non-transitory computer-readable medium storing computer-executable code, including code to:

obtain first sensing information for a first wireless communication link;

determine whether to transmit on the first wireless communication link based on the first sensing information;

obtain second sensing information for a second wireless communication link;

and

determine whether to transmit on the second wireless communication link based on the second sensing information, wherein the determination of whether to transmit on the second wireless communication link is independent of the determination of whether to transmit on the first wireless communication link.