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CLAIMS

1. A method, comprising:
associating a plurality of carriers utilized for communication into one or more timing groups of carriers;
assigning a candidate carrier in at least one of the one or more timing groups for timing updates;
receiving a timing offset from the candidate carrier during a timing update; and
updating timing for each carrier in the at least one timing group based on the timing offset.
2. The method of claim 1, wherein assigning the candidate carrier includes selecting the candidate carrier according to a hash function.
3. The method of claim 2, wherein the hash function utilizes a variable key such that the candidate carrier differs for disparate timing updates.
4. The method of claim 1, wherein assigning the candidate carrier is performed according to a received assignment from a base station associated with a subset of the plurality of carriers.
5. The method of claim 1, wherein associating the plurality of carriers into one or more timing groups includes evaluating a timing difference of each of the plurality of carriers and grouping the plurality of carriers according to a threshold difference.
6. The method of claim 1, wherein associating the plurality of carriers into one or more timing groups is performed according to a grouping received from a base station associated with a subset of the plurality of carriers.

7. The method of claim 1, further comprising monitoring a downlink timing for each carrier in the at least one timing group and modifying the timing offset according to an average of the offset applied to the monitored downlink timings for each carrier.

8. The method of claim 1, wherein carriers in the at least one of the one or more timing groups are transmitted at a common site.

9. The method of claim 8, wherein the timing offset is received in a vector of a plurality of timing offsets for the at least one of the one or more timing groups from the common site.

10. A wireless communications apparatus, comprising:

at least one processor configured to:

generate an association of a plurality of carriers utilized for communication into one or more timing groups according to a timing of each of the plurality of carriers;

select a candidate carrier in at least one of the one or more timing groups for timing updates;

obtain a timing offset from the candidate carrier during a timing update;
and

modify timing for each carrier in the at least one timing group based on the timing offset; and

a memory coupled to the at least one processor.

11. The wireless communications apparatus of claim 10, wherein the at least one processor selects the candidate carrier according to a hash function.

12. The wireless communications apparatus of claim 11, wherein the hash function utilizes a variable key such that the candidate carrier differs for disparate timing updates.

13. The wireless communications apparatus of claim 10, wherein the at least one processor selects the candidate carrier according to an assignment received from a base station associated with a subset of the plurality of carriers.

14. The wireless communications apparatus of claim 10, wherein the at least one processor generates the association of the plurality of carriers into one or more timing groups by evaluating a timing difference of each of the plurality of carriers and grouping the plurality of carriers into the timing groups according to a threshold difference.

15. The wireless communications apparatus of claim 10, wherein the at least one processor generates the association of the plurality of carriers into one or more timing groups according to a grouping received from a base station associated with a subset of the plurality of carriers.

16. The wireless communications apparatus of claim 10, wherein the at least one processor is further configured to monitor a downlink timing for each carrier in the at least one timing group and update the timing offset according to an average of the offset applied to the monitored downlink timings for each carrier.

17. The wireless communications apparatus of claim 10, wherein carriers in the at least one of the one or more timing groups are transmitted at a common site.

18. The wireless communications apparatus of claim 17, wherein the at least one processor obtains the timing offset in a vector of a plurality of timing offsets for the at least one of the one or more timing groups from the common site.

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