18. The communication device of claim 17 ~~or 18~~, wherein the second bitmap is coded by representing the AID directly in binary bits with a predefined length.

19. The communication device of claim 14 or 15, wherein the GID is determined based on a mathematical function of a Time Synchronization Function (TSF) of a communication terminal of a group from the groups of communication terminals, a beacon interval (BI) of the beacon message, and the number of groups (G) of communication terminals, as given by

Remainder(Modulus (TSF, BI)/G).

20. The communication device of any one of claims 14 to 19, wherein the segment of the second part further comprises a length field indicative of the number of bits of the segment.

21. The communication device of any one of claims 14 to 20, wherein the second bitmap is inversely coded depending on the second control field.

22. The communication device of any one of claims 14 to 20, wherein the first bitmap is inversely coded depending on the first control field.

23. The communication device of claim 22, wherein the first control field or the second control field further comprises a sign bit configured to set to a first state indicating that the first bitmap or the second bitmap is coded or to a second state indicating that the first bitmap or the second bitmap is inversely coded, the first state being different from the second state.

24. The communication device of claim 13,

wherein the information about the group comprises

a part indicative of a number of groups (G) of communication devices of the wireless communication network; and

18. The communication device of claim 17, wherein the second bitmap is coded by representing the AID directly in binary bits with a predefined length.

19. The communication device of claim 14 or 15, wherein the GID is determined based on a mathematical function of a Time Synchronization Function (TSF) of a communication terminal of a group from the groups of communication terminals, a beacon interval (BI) of the beacon message, and the number of groups (G) of communication terminals, as given by

Remainder(Modulus (TSF, BI)/G).

20. The communication device of any one of claims 14 to 19, wherein the segment of the second part further comprises a length field indicative of the number of bits of the segment.

21. The communication device of any one of claims 14 to 20, wherein the second bitmap is inversely coded depending on the second control field.

22. The communication device of any one of claims 14 to 20, wherein the first bitmap is inversely coded depending on the first control field.

23. The communication device of claim 22, wherein the first control field or the second control field further comprises a sign bit configured to set to a first state indicating that the first bitmap or the second bitmap is coded or to a second state indicating that the first bitmap or the second bitmap is inversely coded, the first state being different from the second state.

24. The communication device of claim 13,

wherein the information about the group comprises

a part indicative of a number of groups (G) of communication devices of the wireless communication network; and