

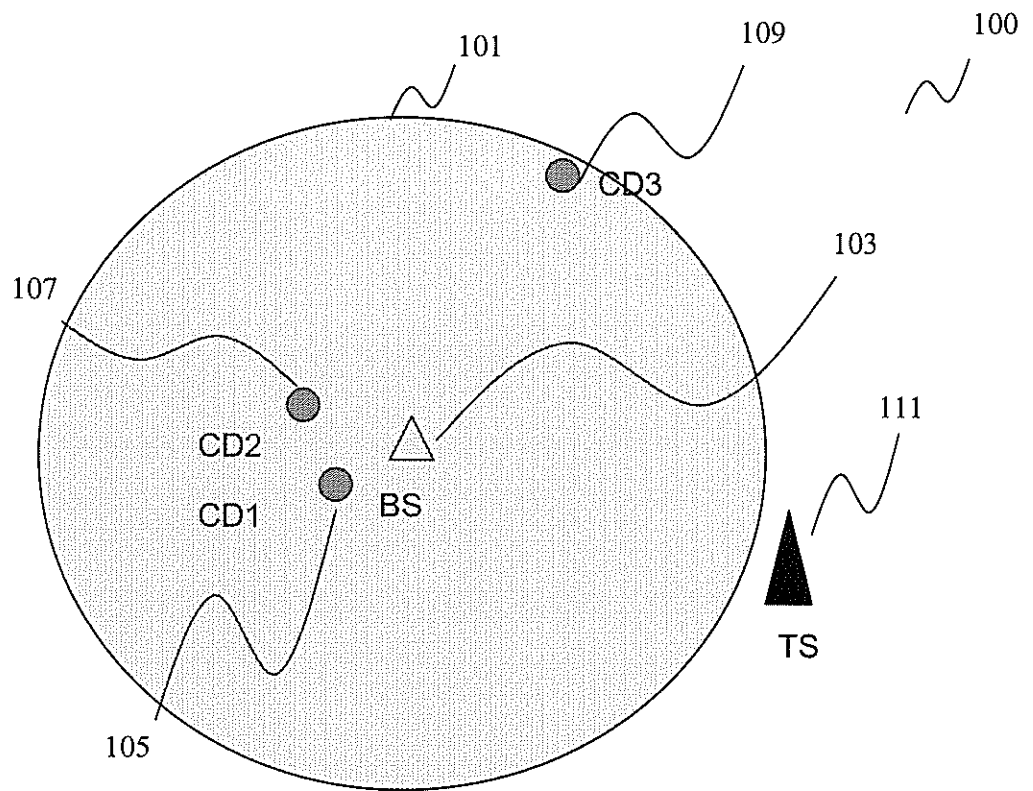


Figure 1

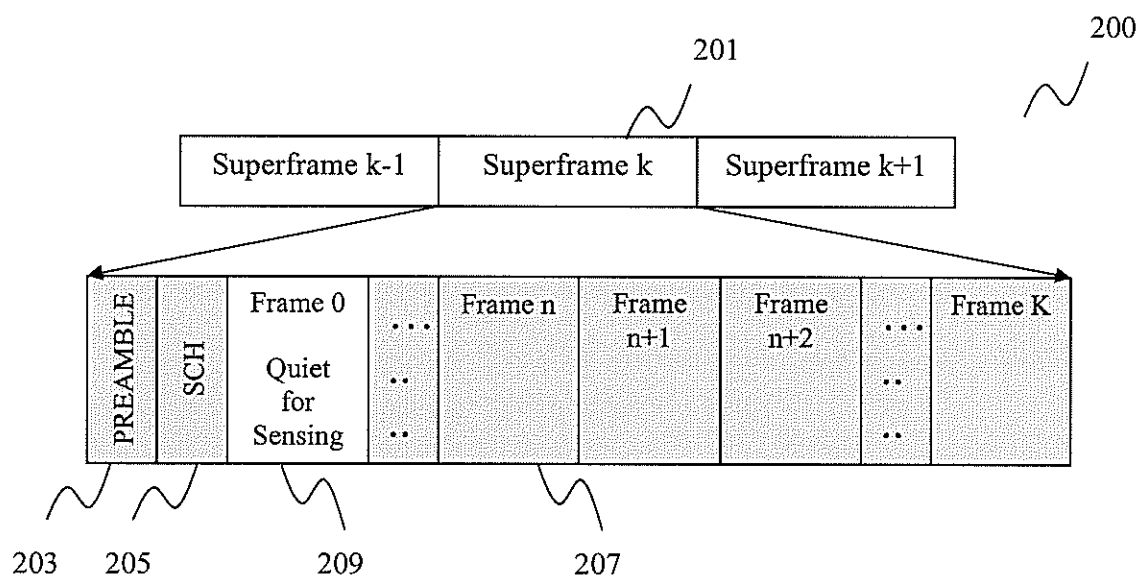


Figure 2

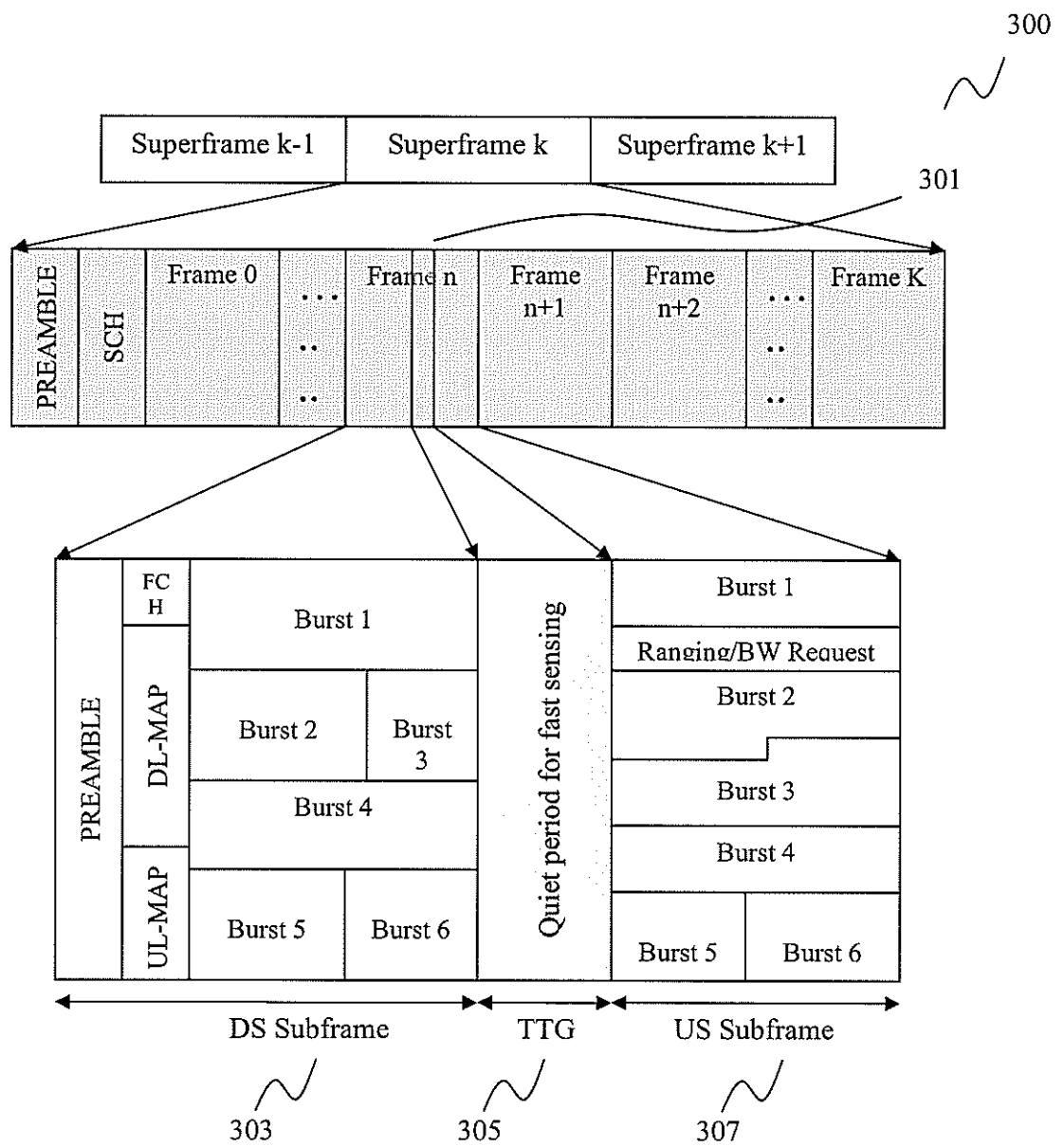


Figure 3

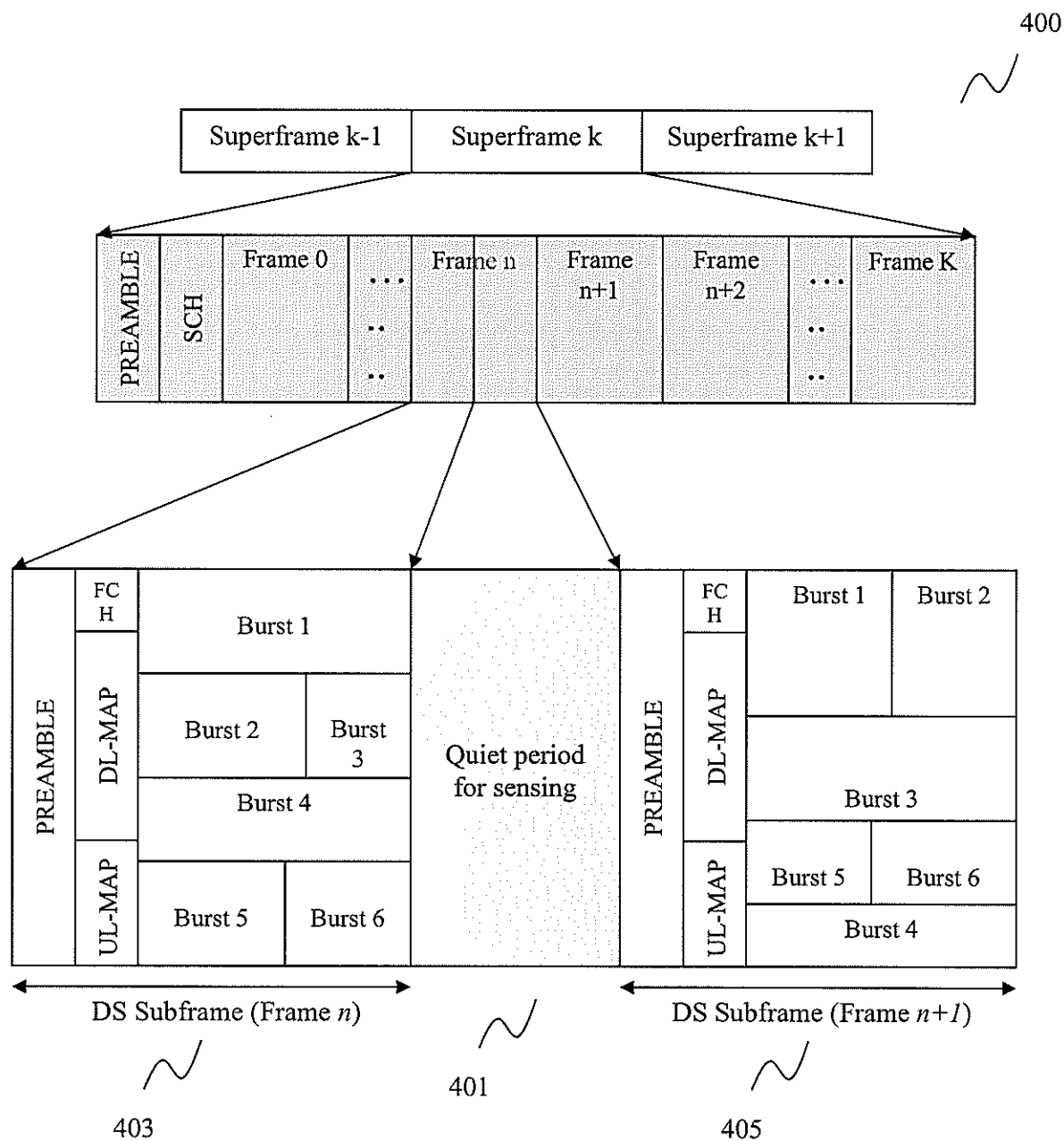


Figure 4

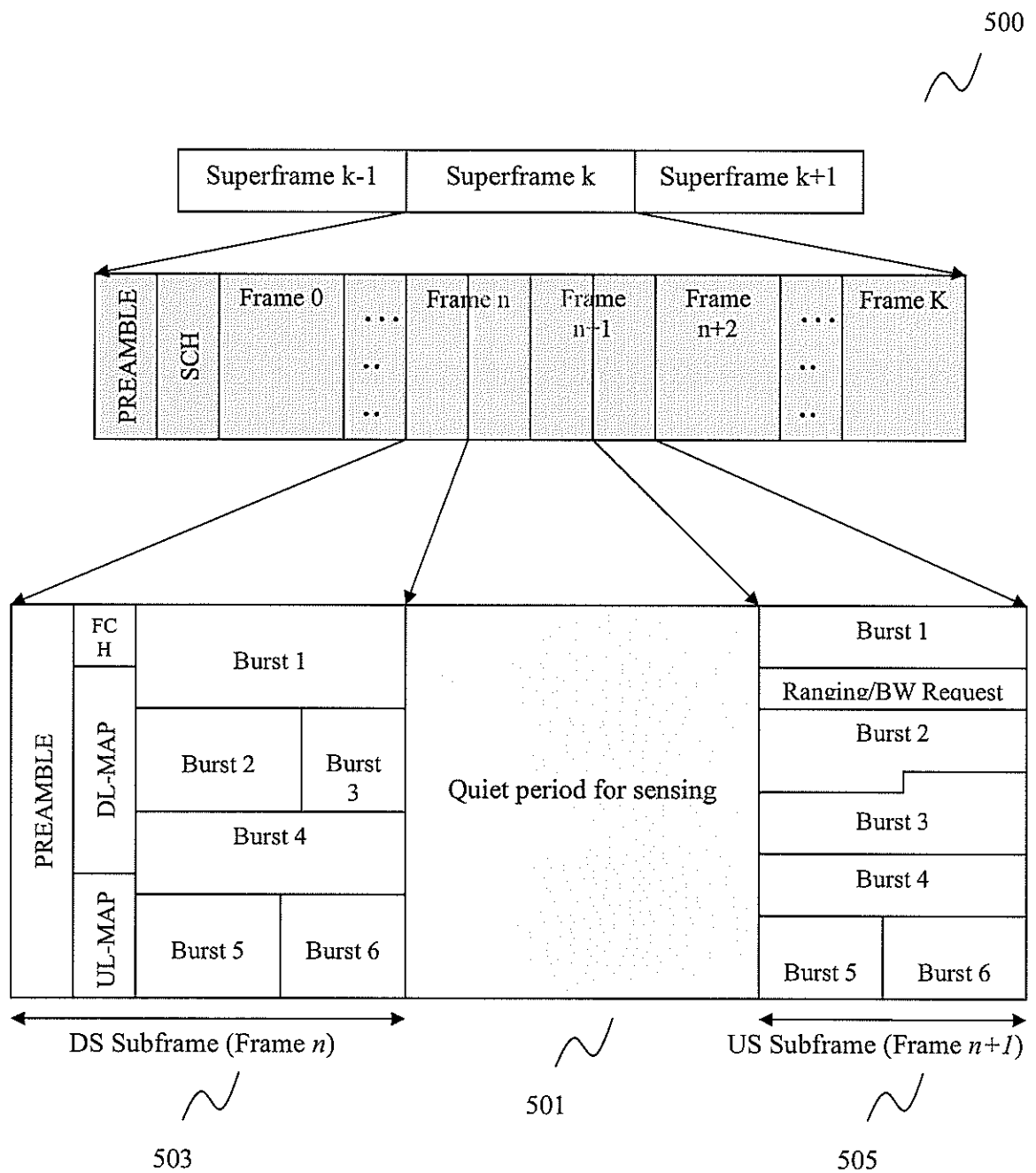


Figure 5

Name	Element ID (1 byte)	Length (bytes)	Value
Downstream_Burst_Profile	1		Value reserved for the burst profile.
BS EIRP	2	2	Singed in units of dBm
Reserved	3		
TTG	4	1	TTG in slots
RTG	5	1	RTG in slots
RSS _{R,max}	6	2	Initial ranging maximum received signal strength at BS in units of 1dBm
BS ID	7	6	Base Station ID. This is needed in addition to the ID contained in the SCH, so that CPEs can distinguish messages from different collocated BSs.
Frame Duration Code	8	1	Time duration of the frame.
Frame Number	9	1	The number of the frame containing the DCD message
Channel Action	10	1	Action to be taken by all CPEs in a cell. 0 = None 1 = Switch 2 = Add 3 = Remove 4 = Quiet
Action Frame Number	11	1	The starting frame number at which the Channel Action shall be performed by all CPEs.
Action Duration	12	2	This is valid only for quiet periods (Action = 4). - If this field is set to a value different from 0 (zero): It indicates the duration (expressed in slots), not including the Action Frame Number. Once this duration is over, normal operation resumes in the channel by the BS. If quiet periods are already scheduled after Action Frame Number, the value specified in this field shall override the length of the first quiet period after Action Frame Number. During this time, the CPE shall sense for incumbents only. If more detailed specification is needed, please see. - If this field is set to 0 (zero): it serves to indicate CPEs that the first quiet period after Action Frame Number is cancelled. Therefore, normal data transmission shall be carried out during this time.
Action Channel Number	13	1	
Action Number of Channels	14	1	
Channel Number for Backup	15	1	The backup channel to be used by CPEs in case of loss of communication with the BS due to incumbents. If possible, the backup channel(s) shall be a disjoint set with the current operating channels.
Number of Channels for Backup	16	1	The number of backup channels. To maximize the success probability that the backup channel is vacant when needed, this field should be set to 1.
Sensing RTG or Sensing TTG	17	1	If set to 1, the CPE shall perform fast sensing (i.e., energy detection) during RTG. <u>If set to 2, the CPE shall perform fast sensing during TTG.</u>
Channel Number for Sensing RTG or Sensing TTG	18	1	The channel number that is to be sensed during the Sensing RTG or Sensing TTG.
MAC version	148	1	

601

Figure 6

603