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- (54) METHOD AND APPARATUS FOR **REDUCING ROUND TRIP LATENCY AND OVERHEAD WITHIN A COMMUNICATION** SYSTEM
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#### **Related U.S. Application Data**

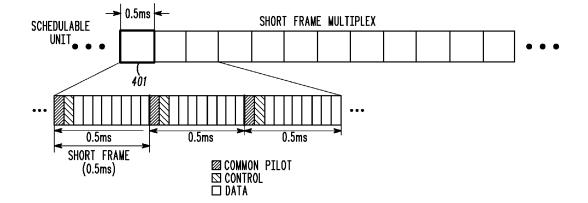
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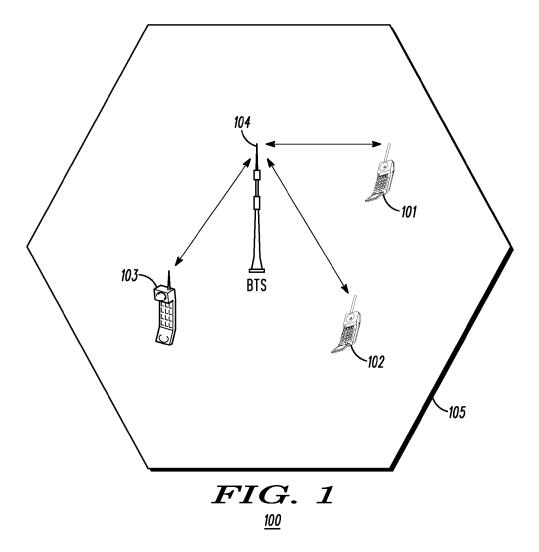
#### (57)ABSTRACT

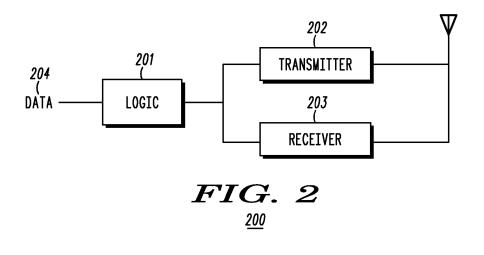
During operation radio frames are divided into a plurality of subframes. Data is transmitted over the radio frames within a plurality of subframes, and having a frame duration selected from two or more possible frame durations.



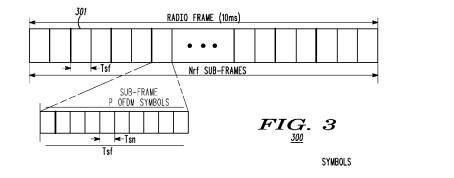
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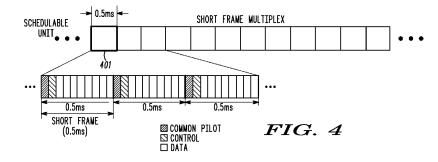


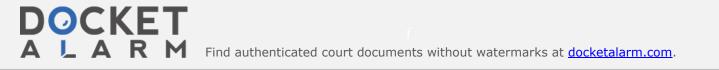


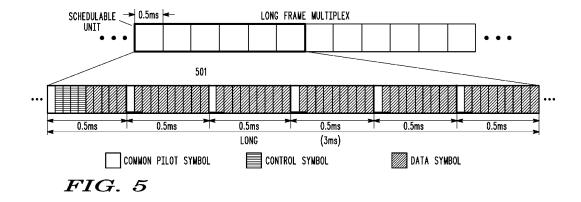


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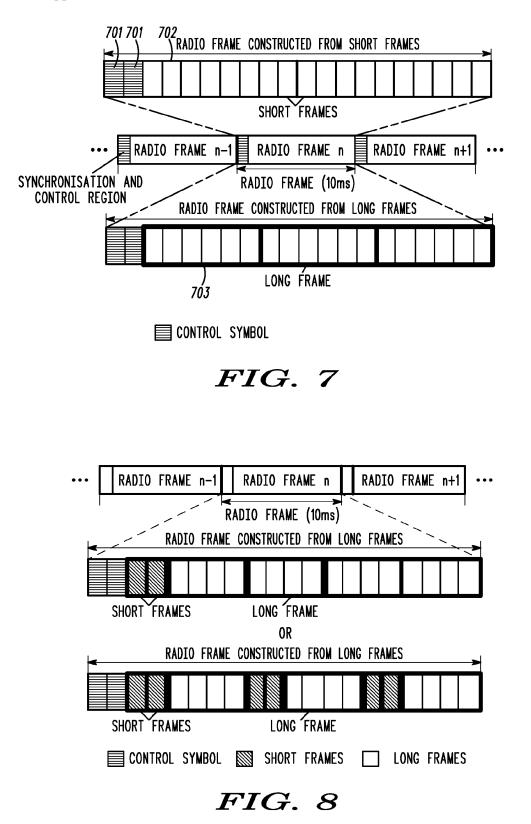






PARAMETER	LONG FRAME CONFIGURATION											
RADIO FRAME DURATION (ms)	10	10	10	10	10	10	10	10	10	10	10	10
SUBFRAMES / RADIO FRAME	20	20	20	18	18	18	16	16	16	15	15	15
SUBFRAME DURATION (ms)	0.5	0.5	0.5	0.55556	0.55556	0.55556	0.625	0.625	0.625	0.66667	0.66667	0.66667
SUBFRAMES / LONG FRAME	3	4	6	4	5	6	3	4	5	3	4	5
LONG FRAME DURATION (ms)	1.5	///2////	3	2.22222	2.77778	3.33333	1.875	2.5	3.125	///2///	2.66667	3.33333
OVERHEED SUBFRAMES	2	2	2	2	2	2	2	2	2	2	2	2
MAX LONG / RADIO FRAME	6	4	3	4	3	2	4	3	2	4	3	2
MIN SHORT RADIO FRAME	//,0////	2	////	///0///	1	4	2	2	4	1	1	3

FIG.~6 exemplary long frame configurations vs. Subframe duration



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