

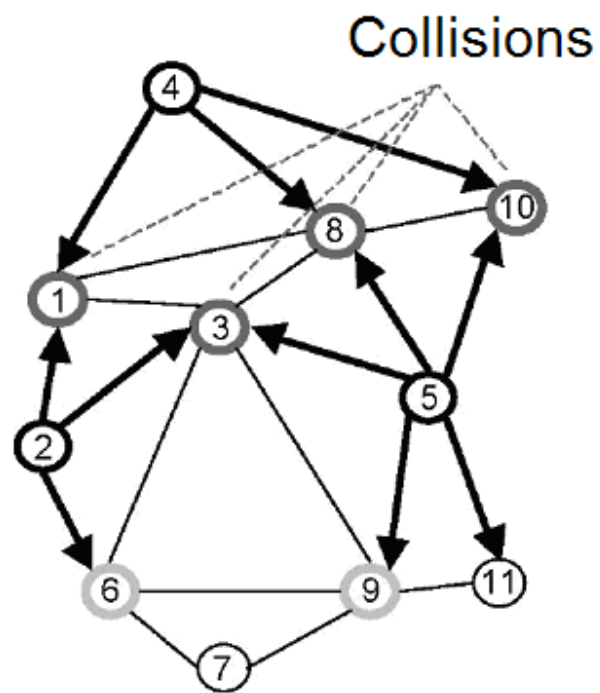


FIG.1

FIG.2 (beginning)

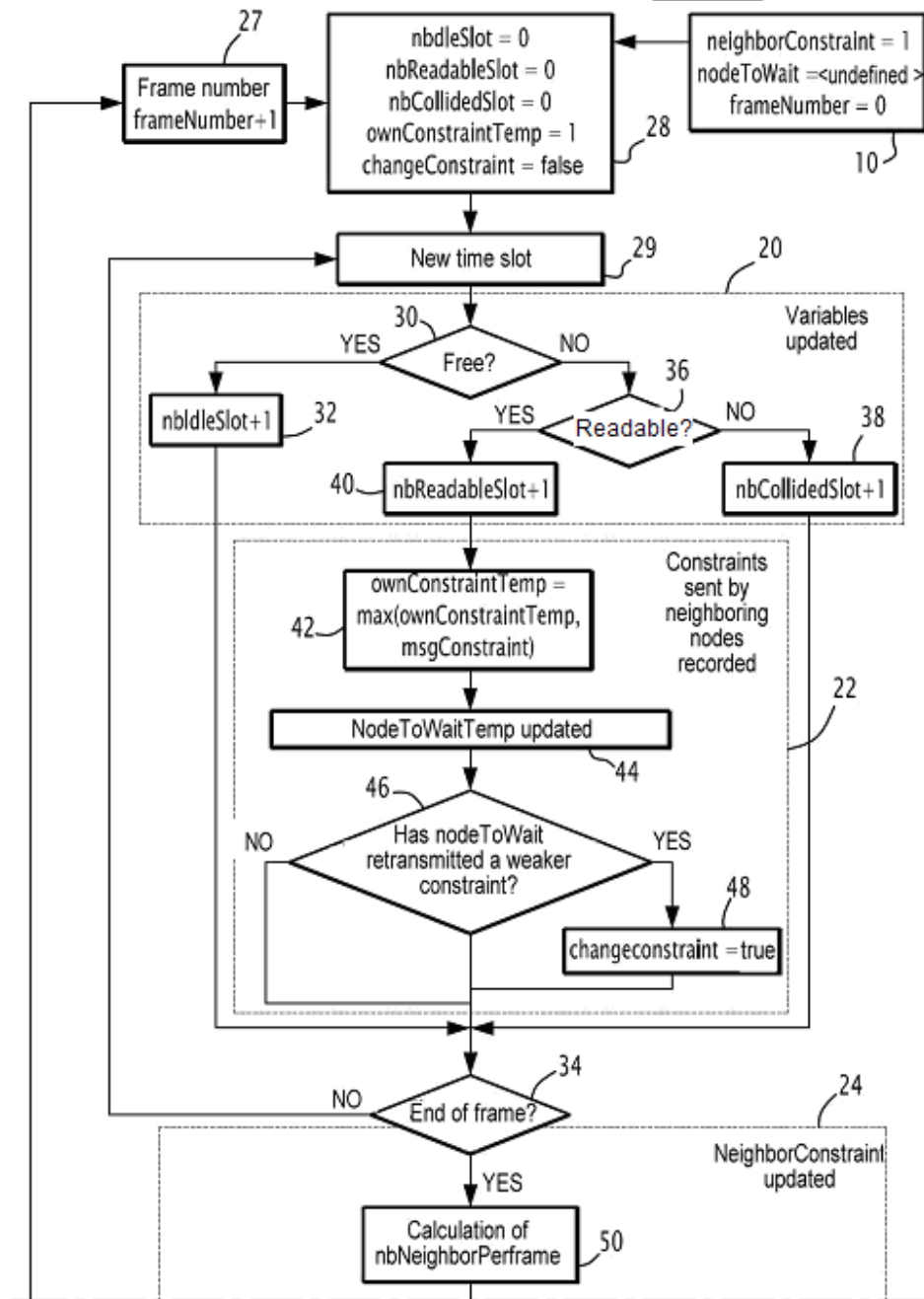
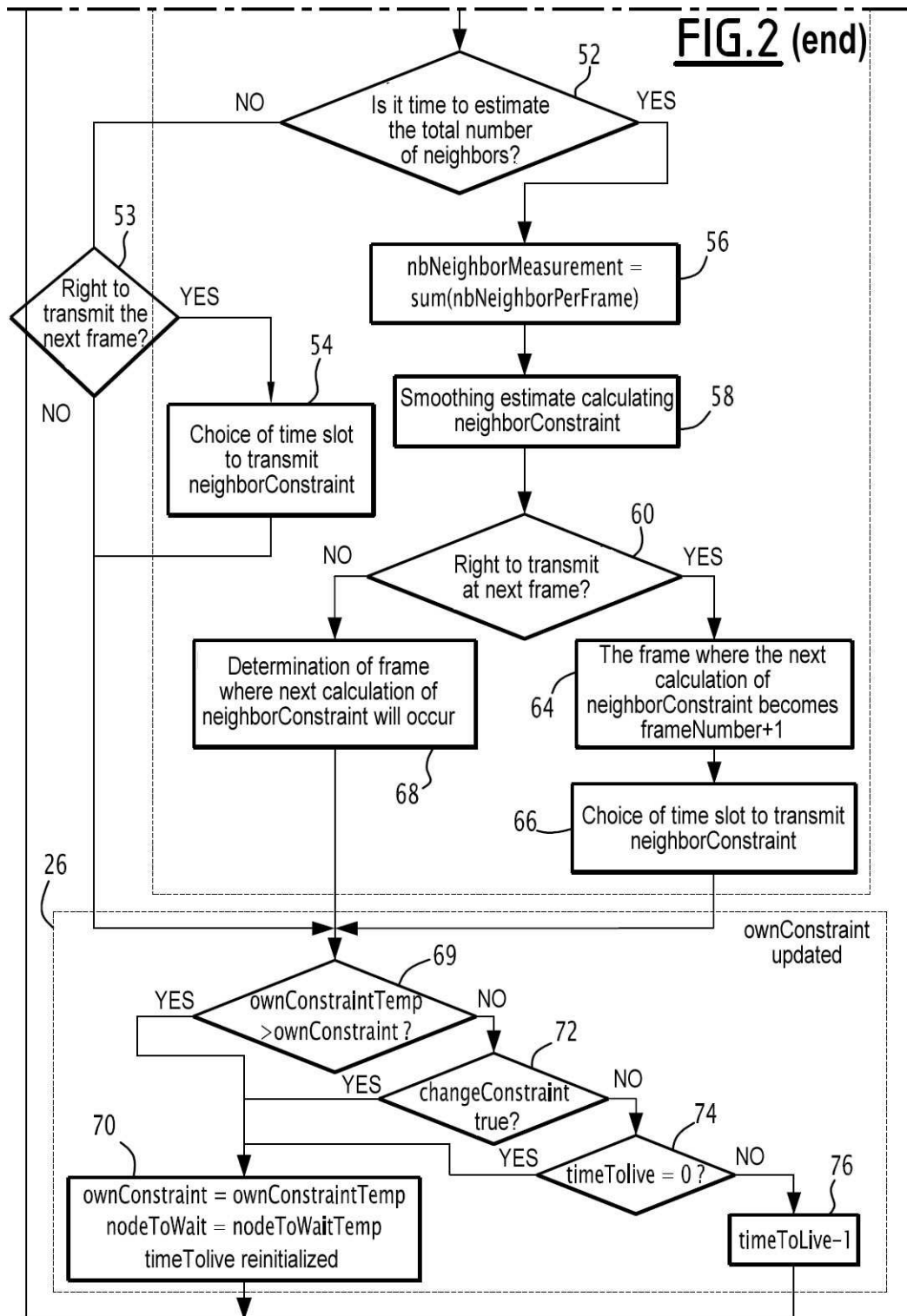


FIG.2 (end)

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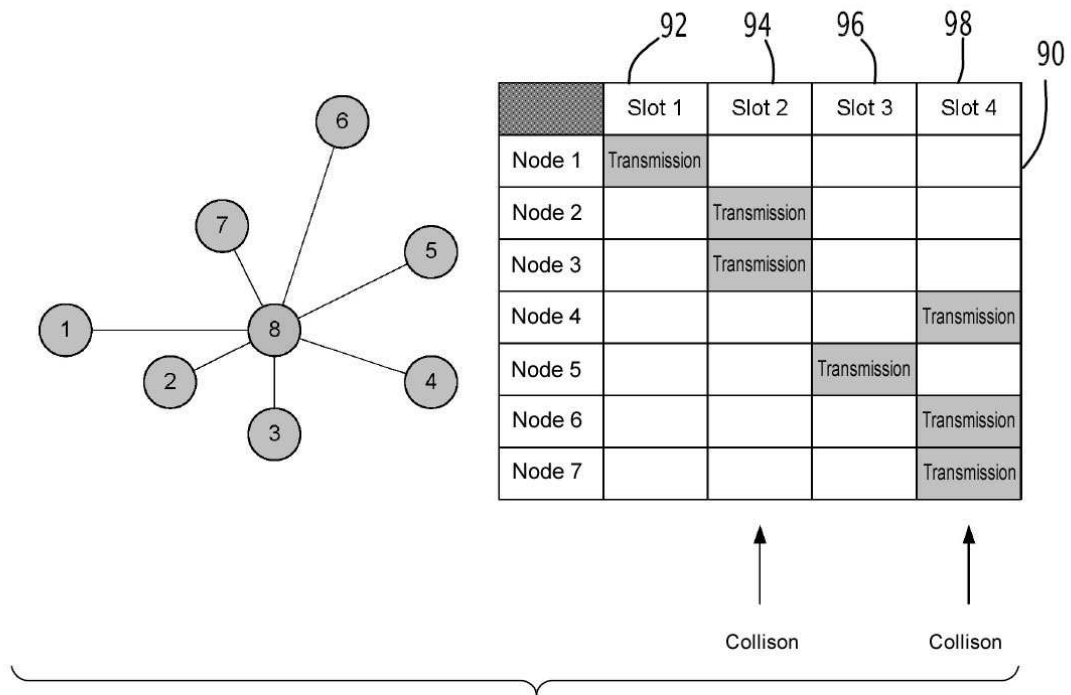


FIG.3

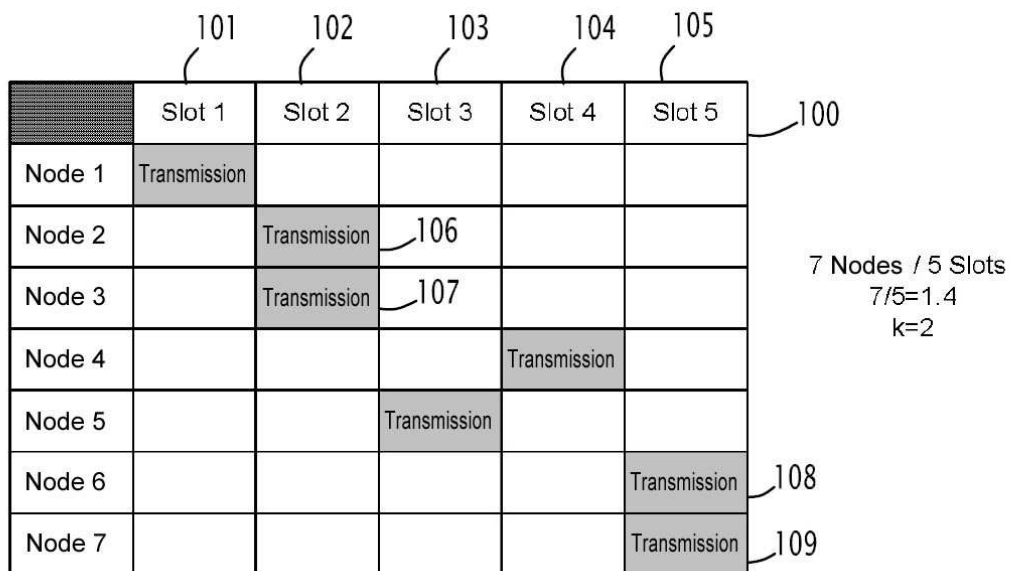


FIG.4

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	121 Slot 1	122 Slot 2	123 Slot 3	124 Slot 4	
Node 1	Transmission				120
Node 2		Transmission	125		
Node 3		Transmission	126		
Node 4				Transmission	127
Node 5			Transmission		
Node 6				Transmission	128
Node 7				Transmission	129

7 Nodes / 4 Slots
 $7/4 = 1.75$
 $k=2.5$

FIG.5

	141 Slot 1	142 Slot 2	143 Slot 3	144 Slot 4	145 Slot 5	
Node 1	Transmission					140
Node 2		Transmission	146			
Node 3		Transmission	147			
Node 4				Transmission		
Node 5			Transmission			
Node 6					Transmission	148
Node 7					Transmission	149
Node 8			Transmission			
Node 9		Transmission				
Node 10					Transmission	150

10 Nodes / 5 Slots
 $10/5 = 2$
 $k=2.6$

FIG.6

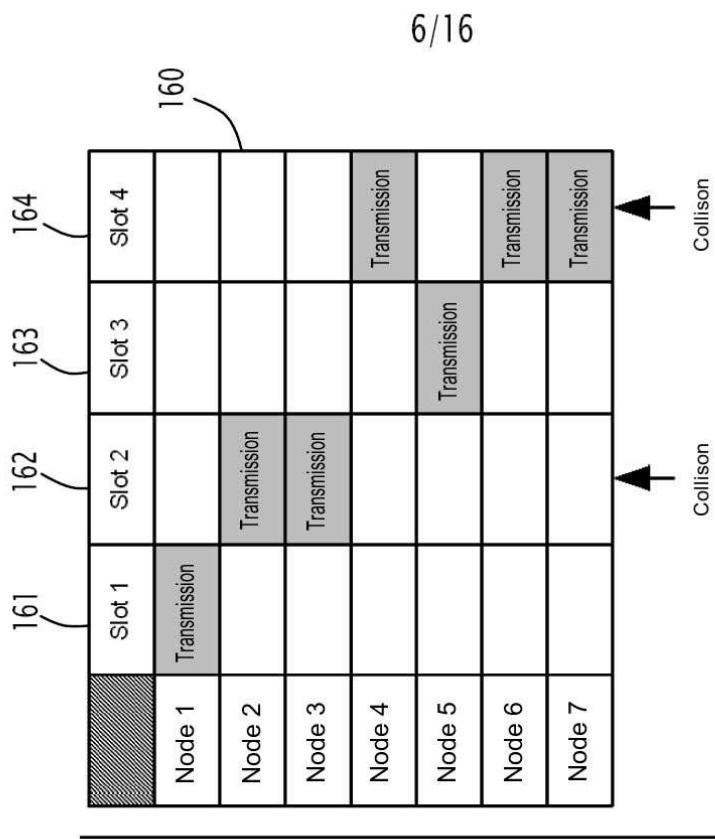
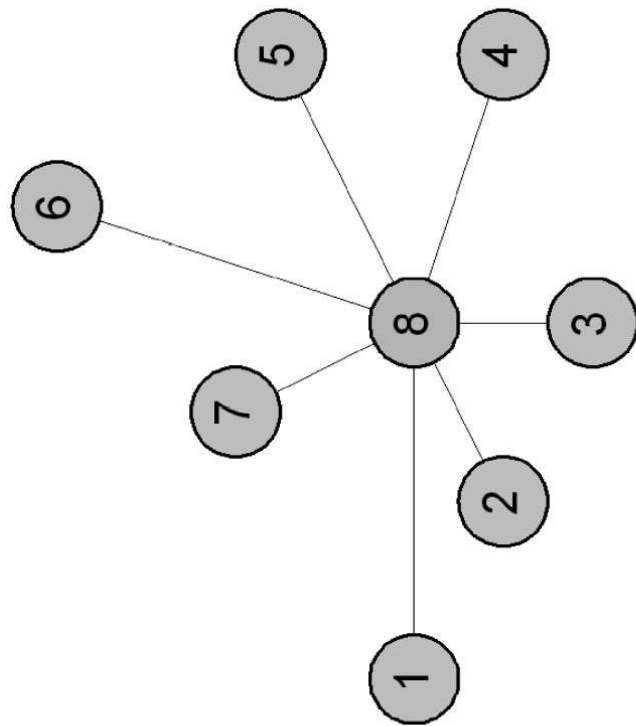


FIG. 7

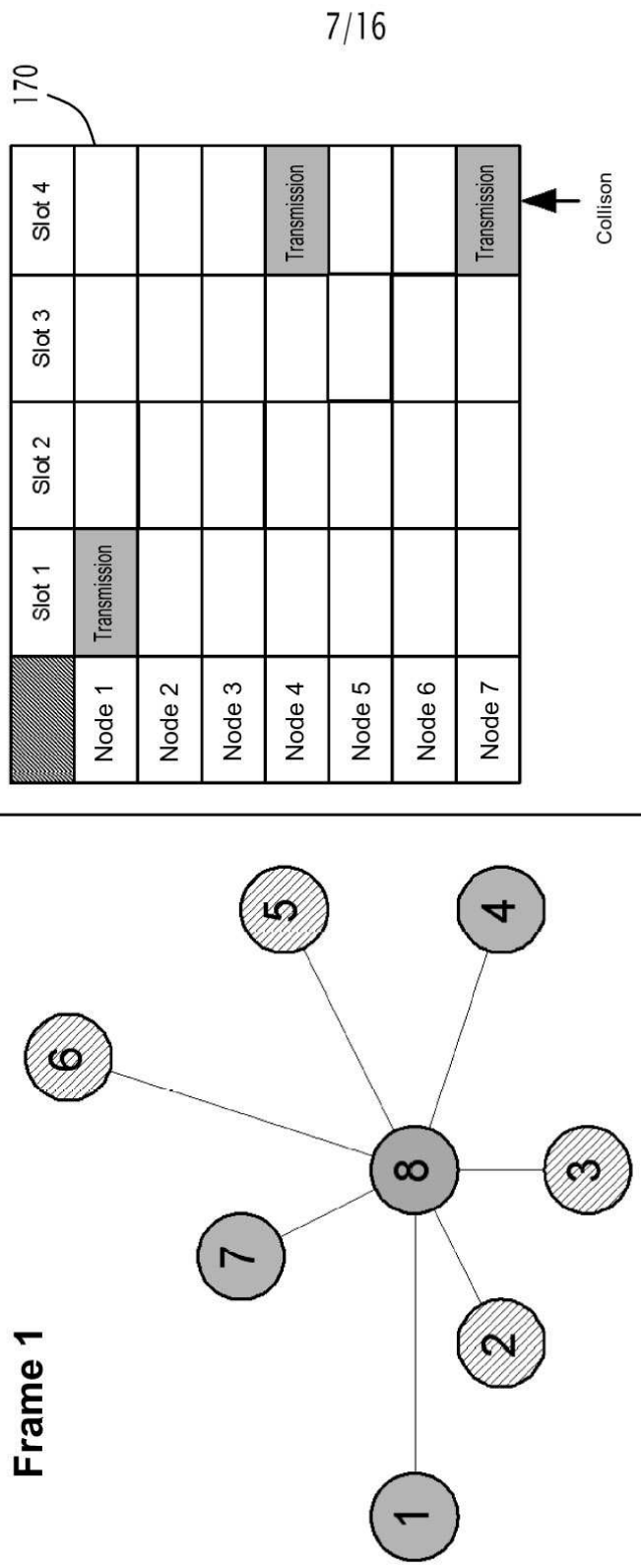
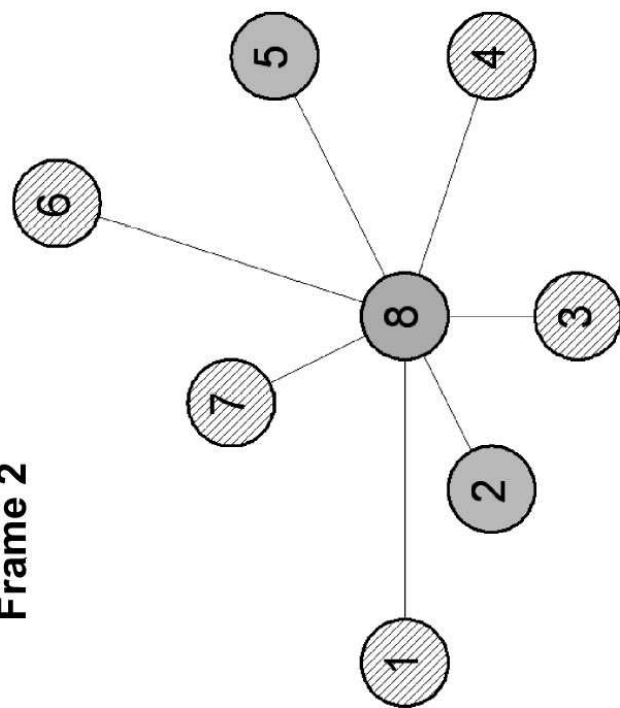


FIG. 8

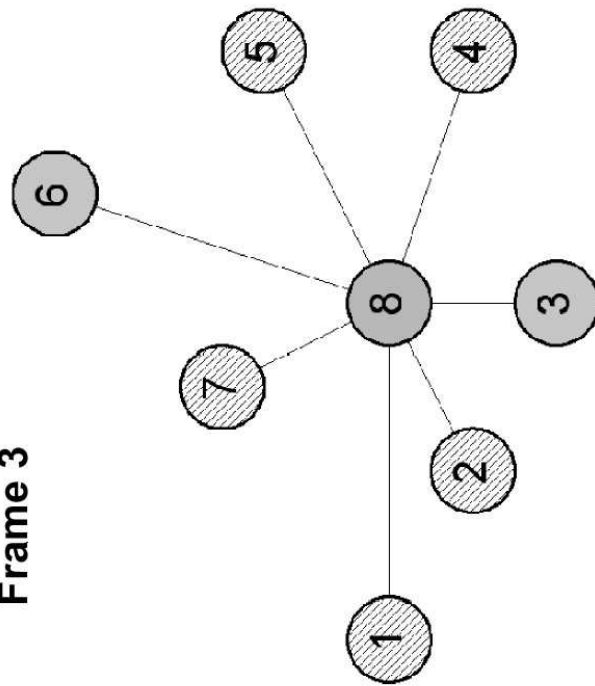
	Slot 1	Slot 2	Slot 3	Slot 4
Node 1				
Node 2		Transmission		
Node 3				
Node 4				
Node 5			Transmission	
Node 6				
Node 7				



Frame 2

FIG. 9

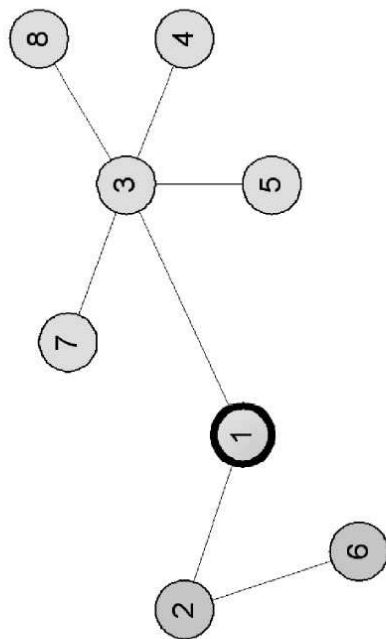
Frame 3



	Slot 1	Slot 2	Slot 3	Slot 4
Node 1				
Node 2				
Node 3		Transmission		
Node 4				
Node 5				
Node 6				Transmission
Node 7				

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FIG.10



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	Slot 1	Slot 2	Slot 3	Slot 4
Node 2		Q=2		
Node 3			Q=4	

FIG.11

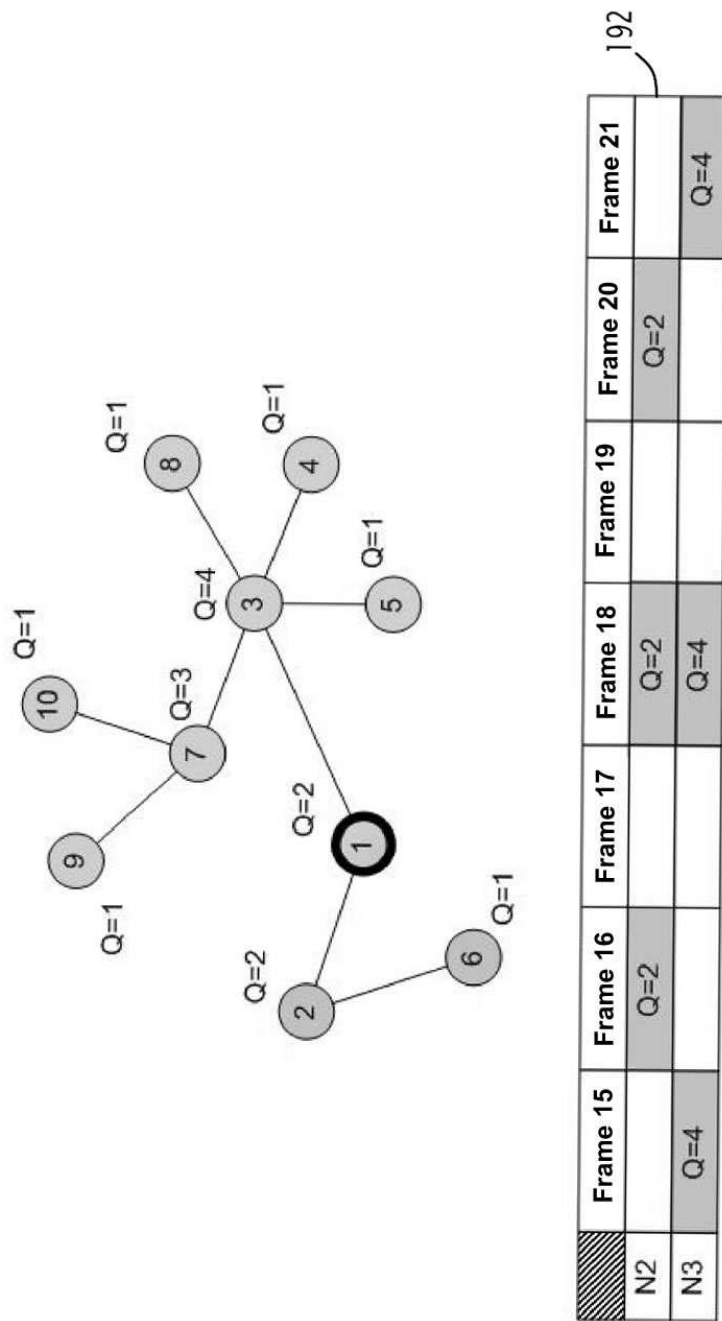
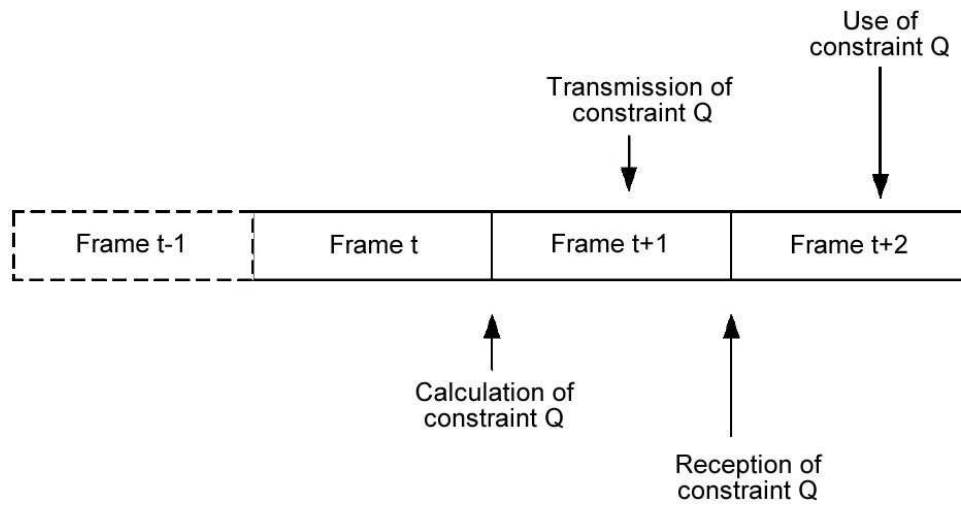
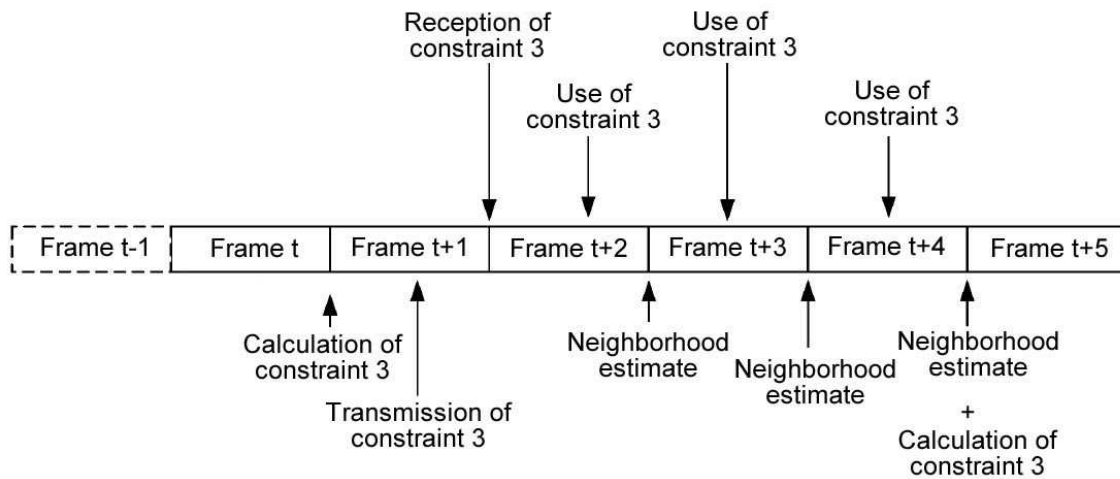


FIG.12

**FIG.13****FIG.14**

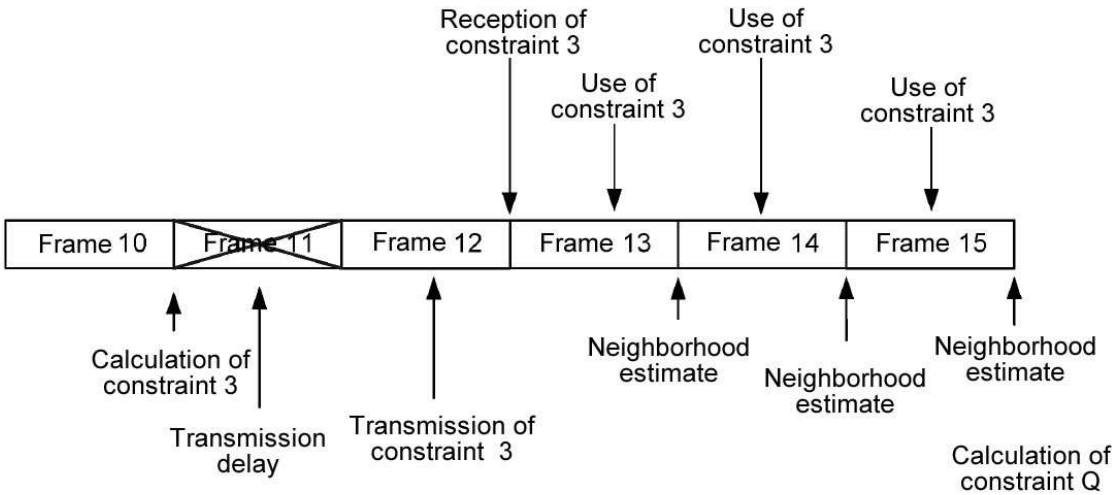


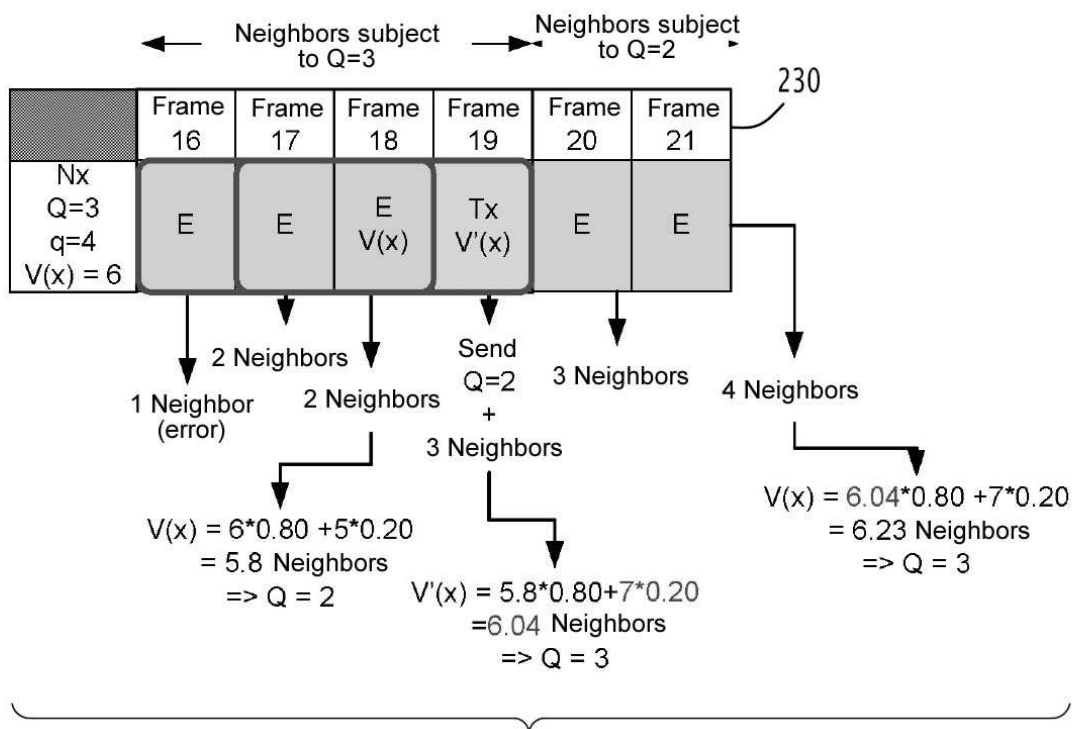
FIG.15

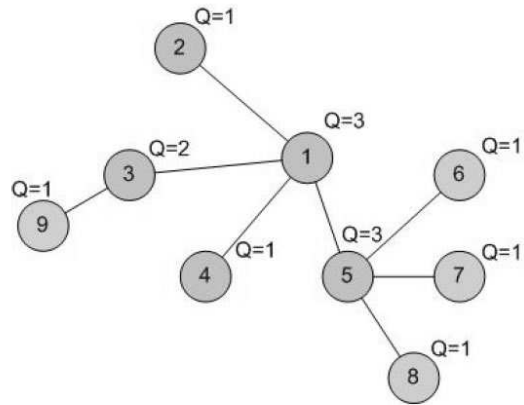
200

	Frame 14	Frame 15	Frame 16	Frame 17	Frame 18	Frame 19	Frame 20	Frame 21	Frame 22
N1 Q=2 q=4	E	E V(1)	E V'(1)	Tx	E	E V(1)	E V'(1)	Tx	E
N3 Q=4 q=3	V'(3)	Tx	E	E	E	E V(3)	E V'(3)	Tx	E
N7 Q=3 q=4	E V(7)	Tx	E	E	E V(7)	Tx	E	E	E V(7)

- E Estimate
- E
V(x) Estimate + Calculation of the neighborhood of node x
- Tx Transmission of a new constraint (after update)

FIG.16

**FIG.17**



194 Node 1: q=2

Frame 12				
	Slot 1	Slot 2	Slot 3	Slot 4
Node 2	Tx Q=1 q=1			
Node 3				Tx Q=2 q=1
Node 4		Tx Q=1 q=1		
Node 5		Tx Q=3 q=1		

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Node 5 : Error detection:
 $Q(3) > q(2) \rightarrow$ "Node 1 did not
 receive my constraint"

Frame 13				
	Slot 1	Slot 2	Slot 3	Slot 4
Node 1	Tx Q=3 q=2			
Node 6				
Node 7			Tx Q=1 q=3	
Node 8				

FIG.18

	Frame 13	Frame 14	Frame 15
N1	Subject to q=2 Tx	Subject to q=2	Subject to q=2 Tx
N6	Subject to q=3	Subject to q=3	Subject to q=3 Tx
N7	Subject to q=3 Tx	Subject to q=3	Subject to q=3
N8	Subject to q=3	Subject to q=3 Tx	Subject to q=3

2nd
Transmission
during the
estimation
period.
Do not
take into
account.

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FIG.19