

FIG.1

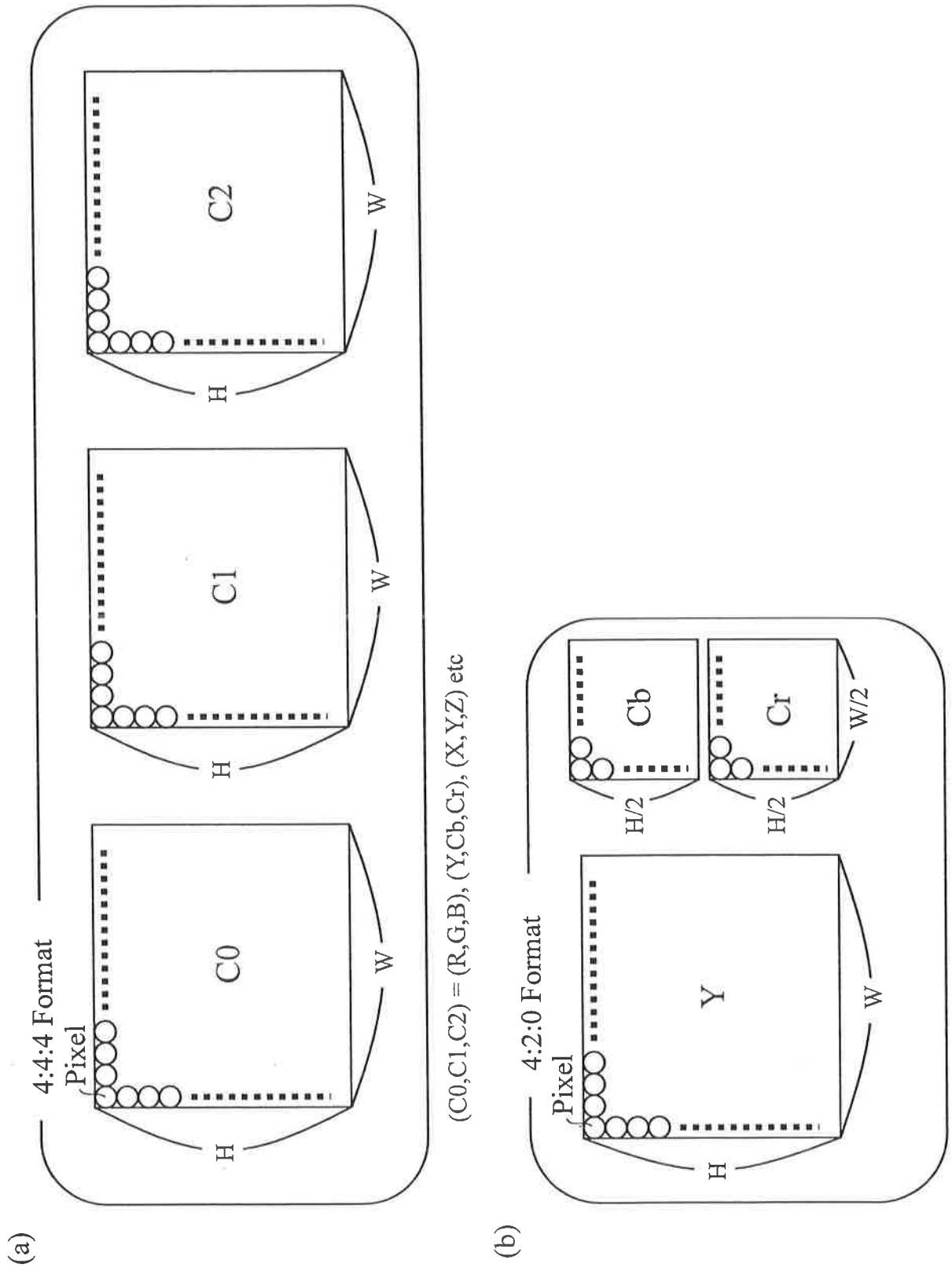


FIG.2

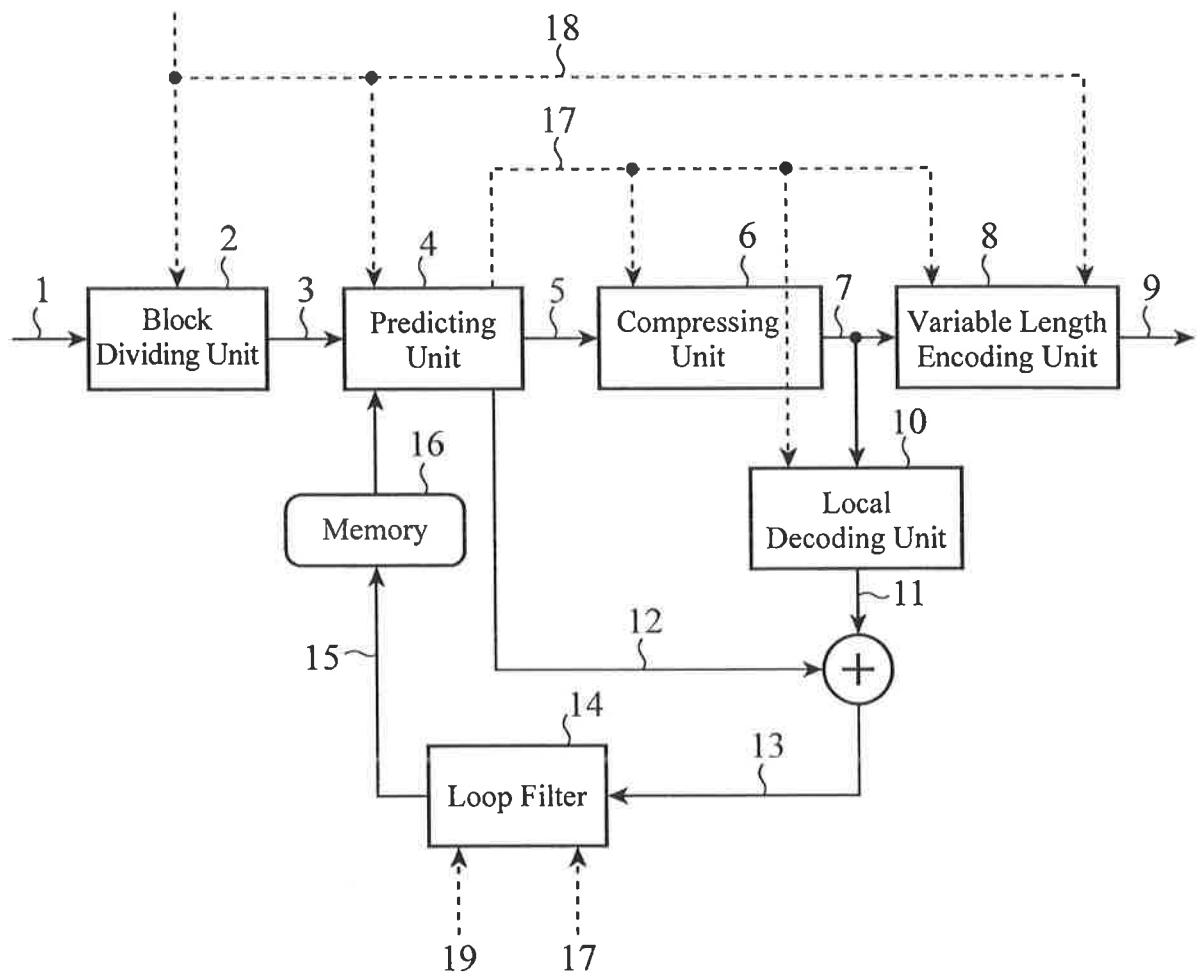


FIG.3

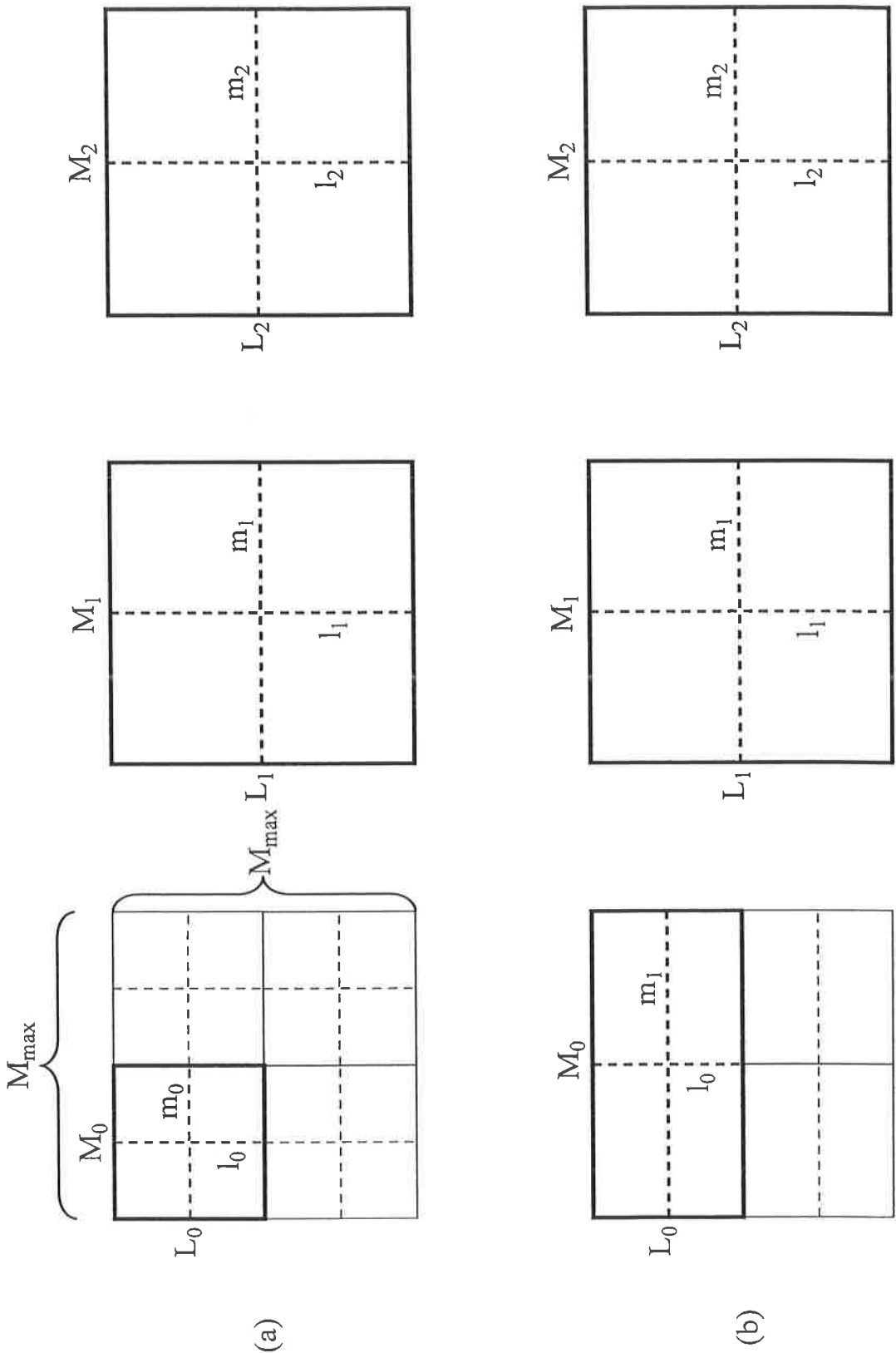


FIG.4

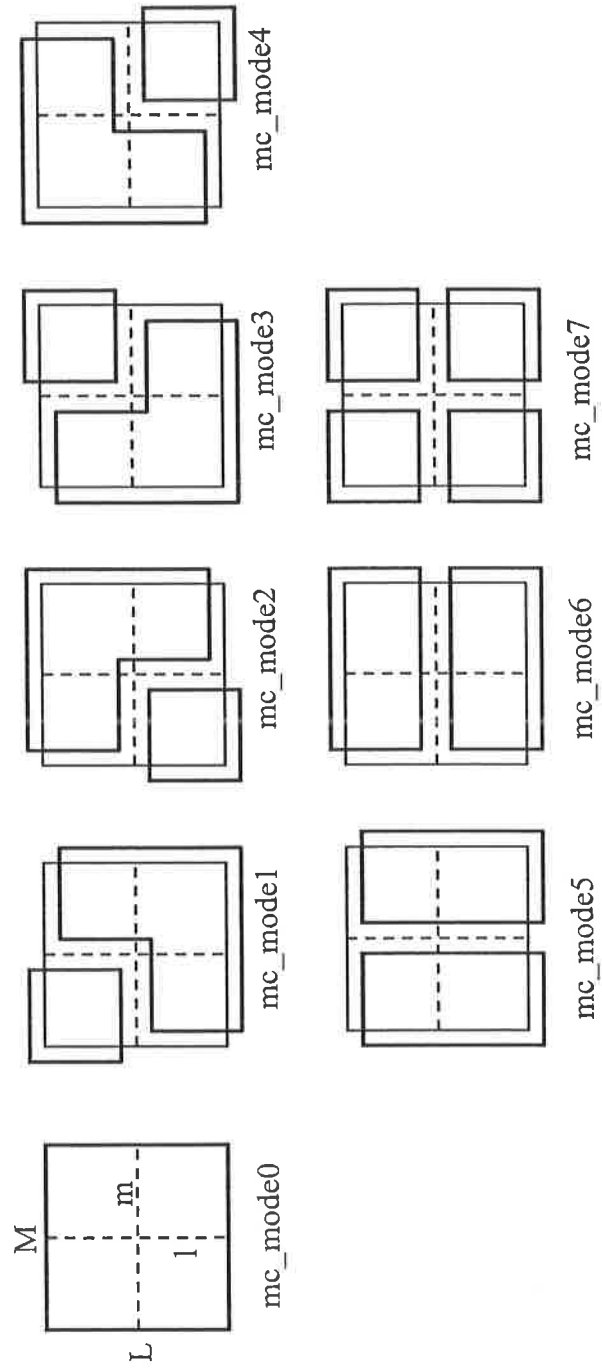


FIG.5

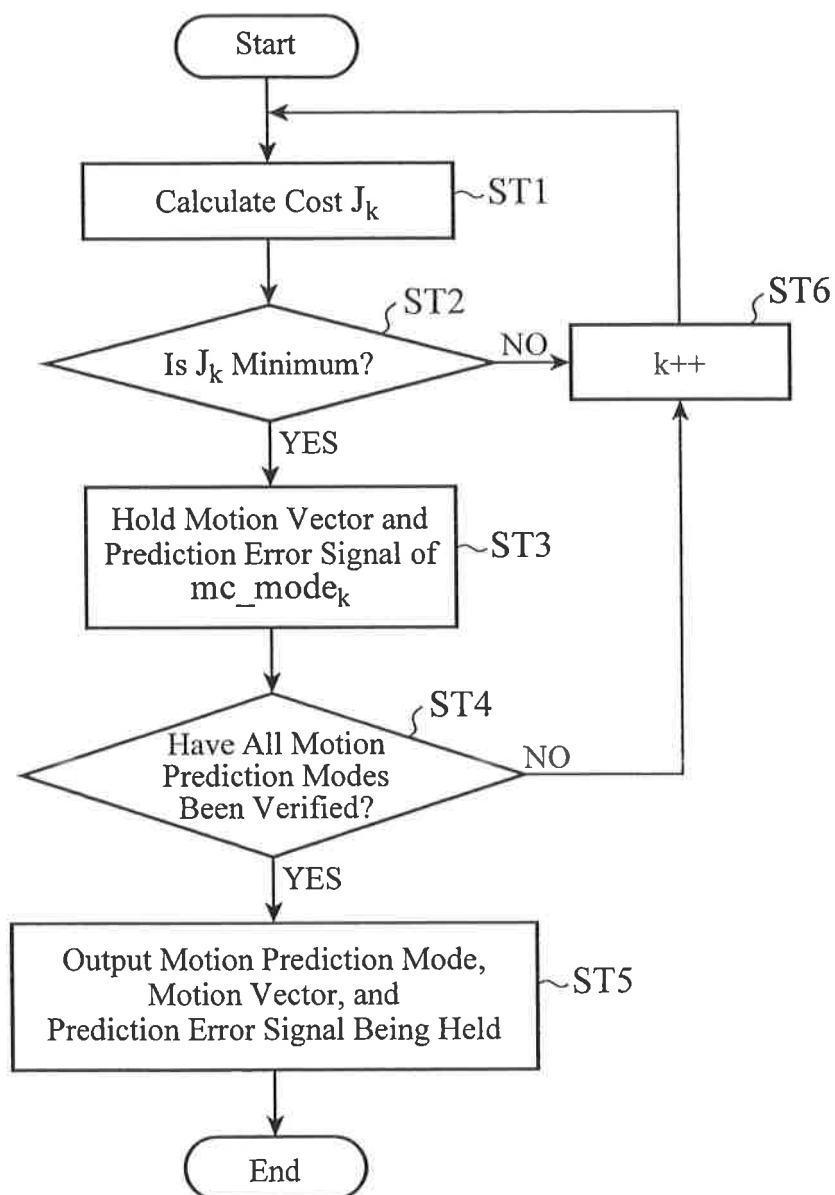


FIG.6

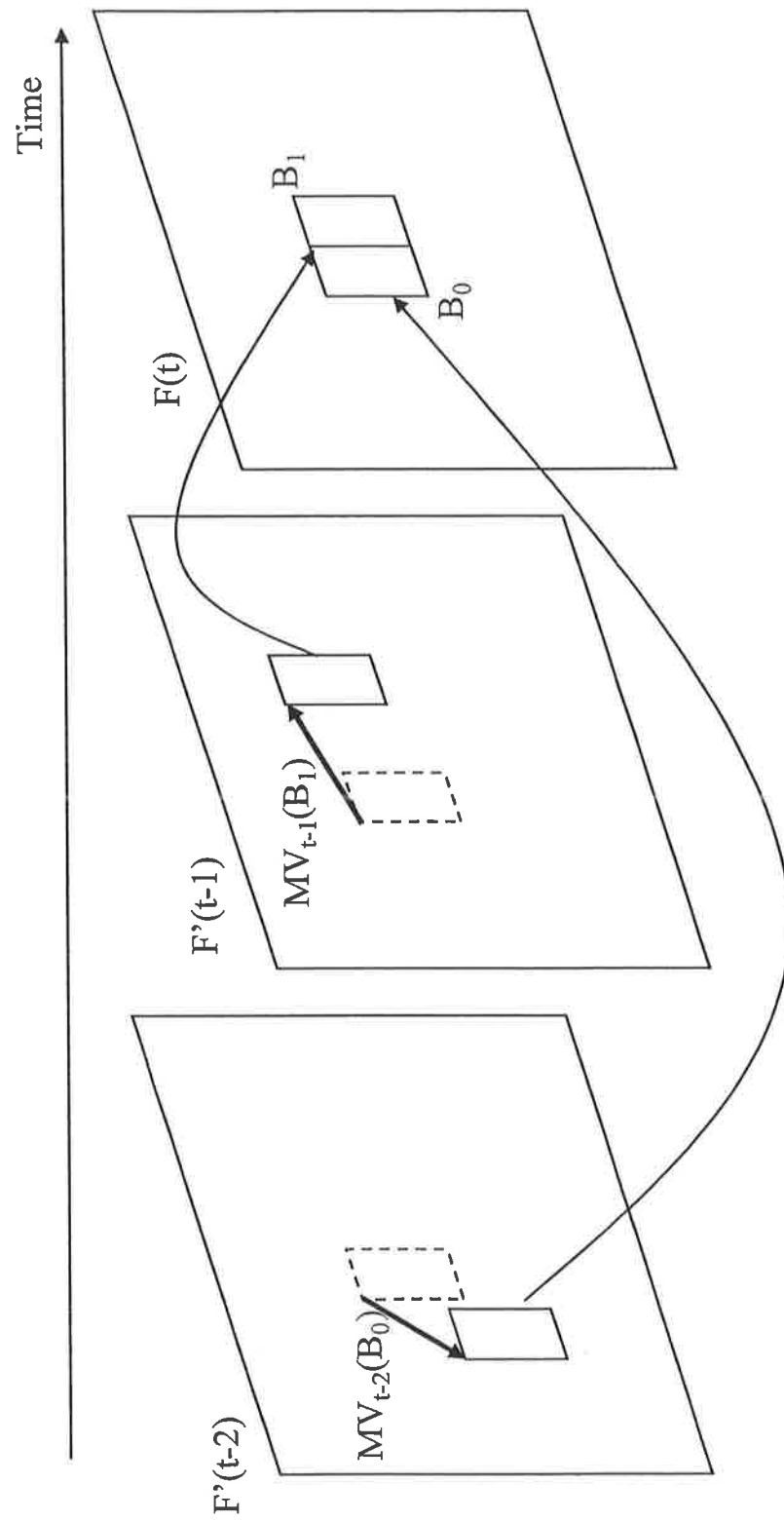


FIG.7

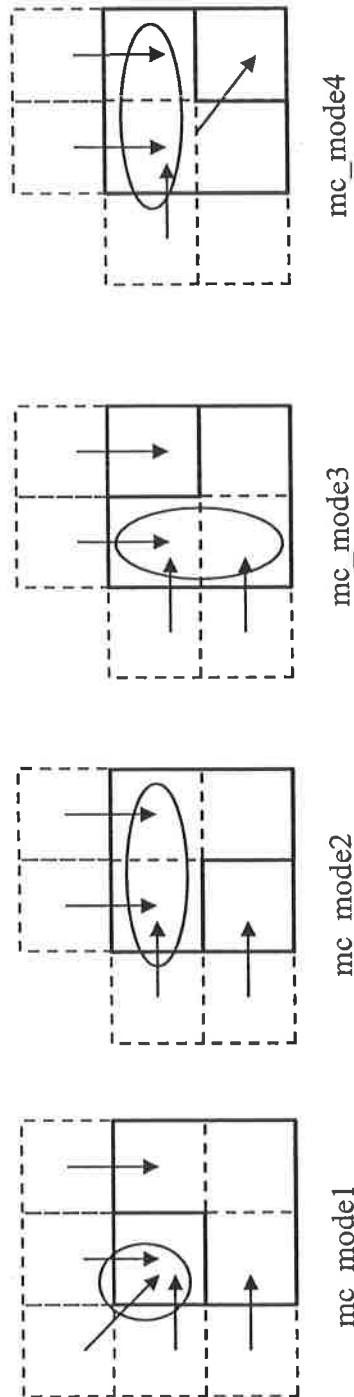


FIG.8

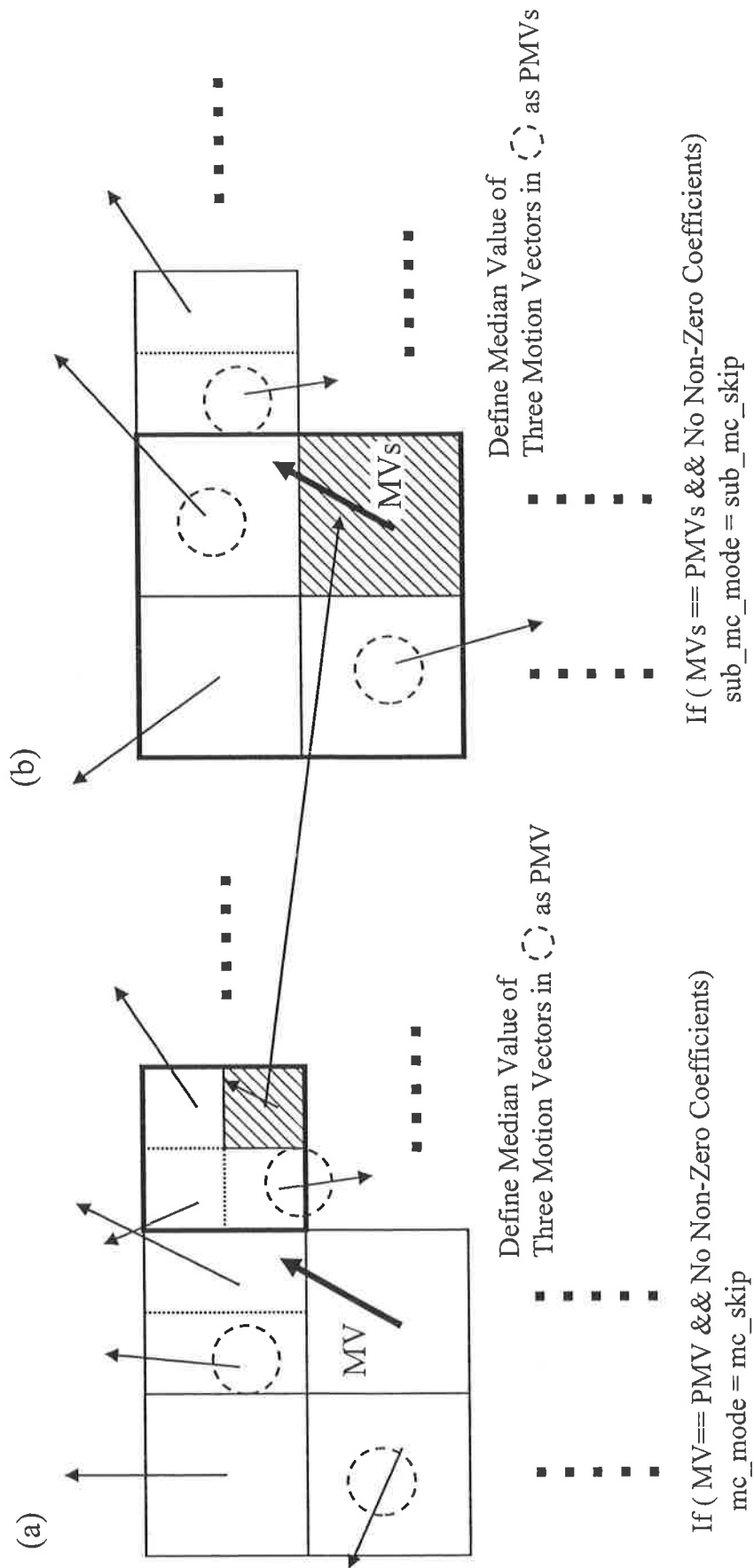


FIG.9

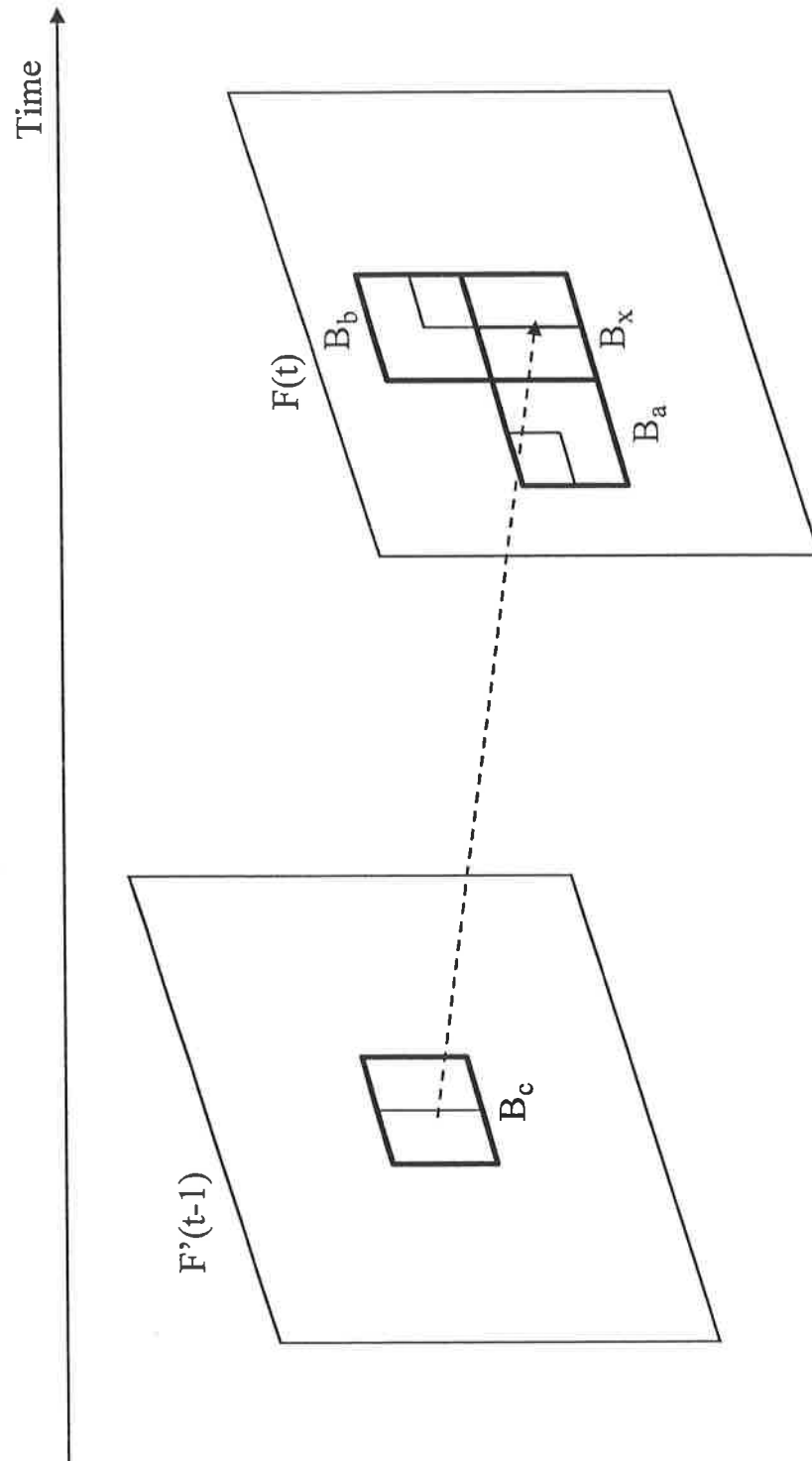


FIG.10

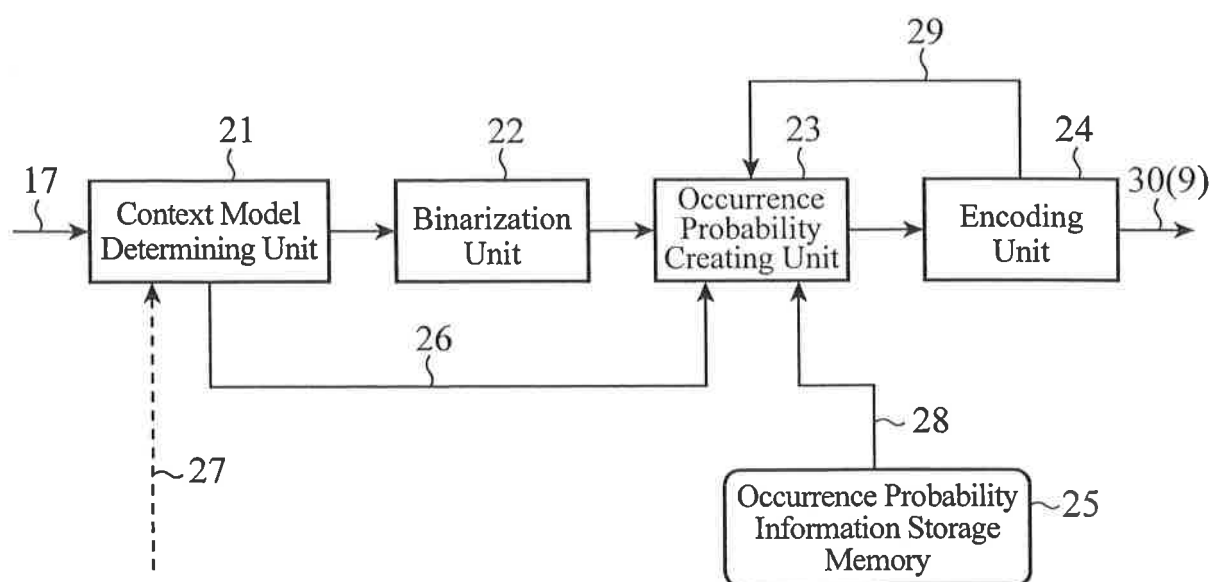


FIG.11

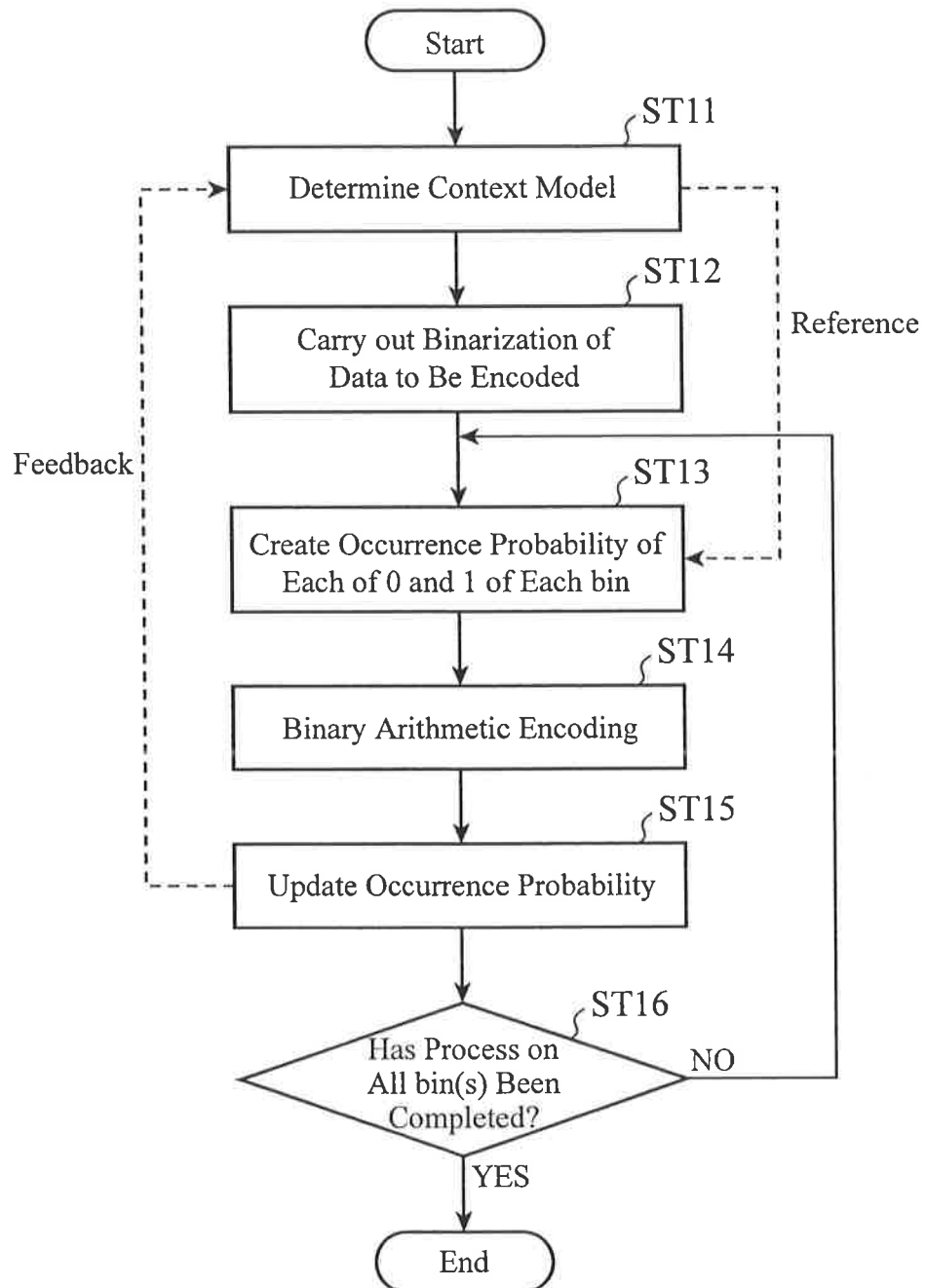


FIG.12

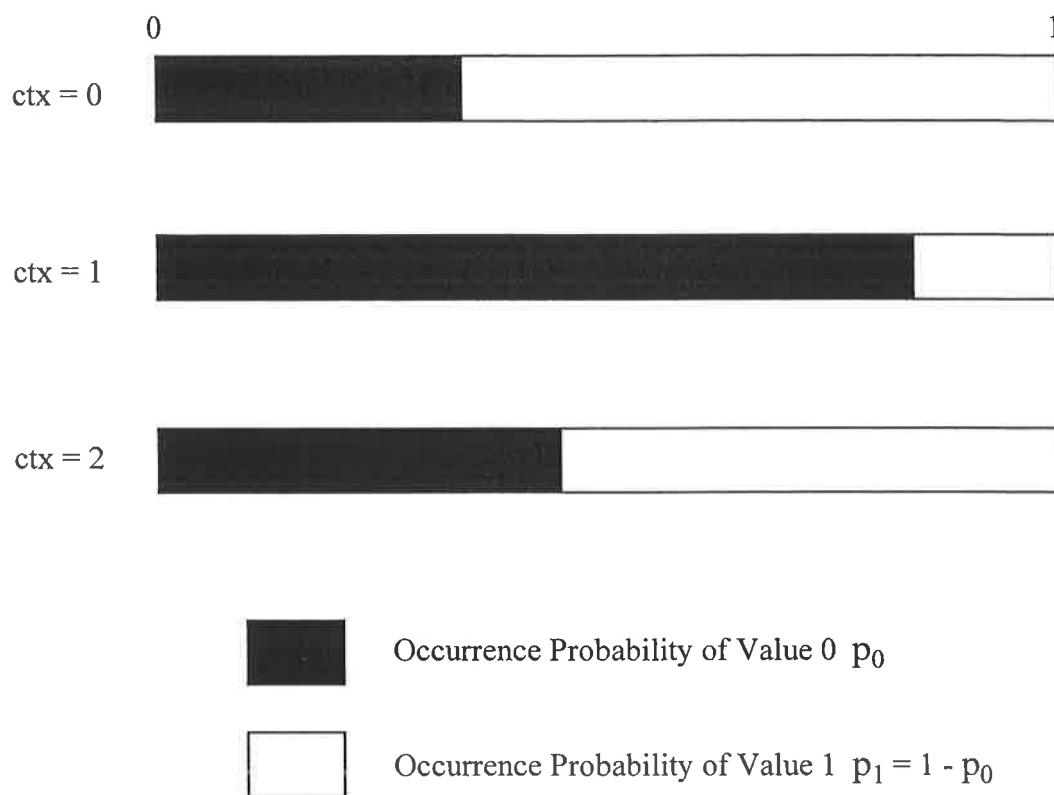
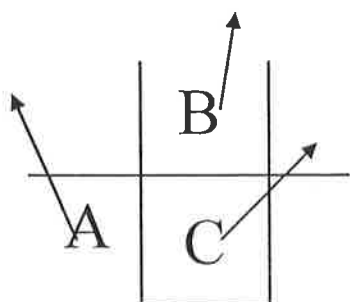


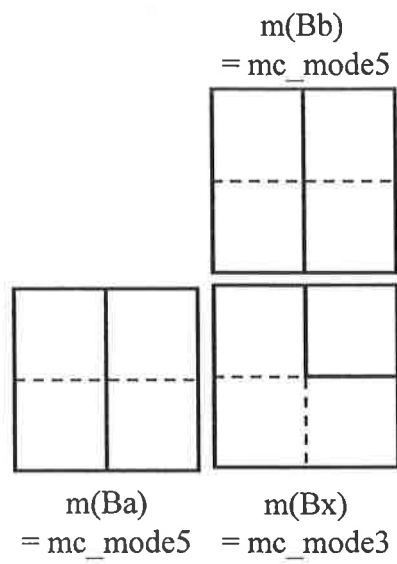
FIG.13



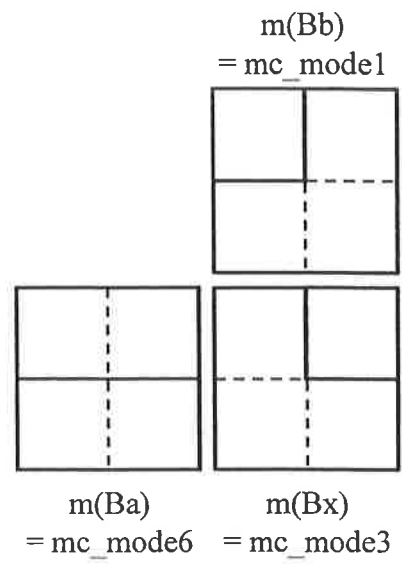
$$e_k(C) = | \text{mvd}_k(A) | + | \text{mvd}_k(B) |$$

$$\text{ctx_mvd}(C,k) = \begin{cases} 0, & \text{for } e_k(C) < 3; \\ 1, & \text{for } e_k(C) > 32; \\ 2, & \text{else} \end{cases}$$

FIG.14



(a)



(b)

FIG.15

(a)

Binarization of mc_mode

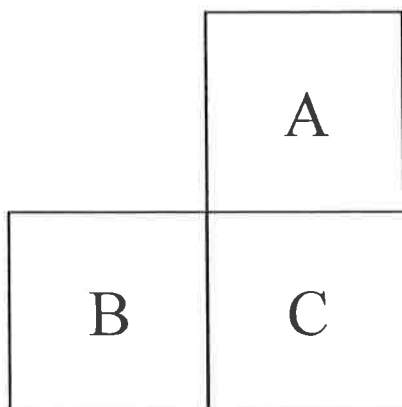
Motion Prediction Mode	Binarization Result					
	Bin 0	Bin 1	Bin 2	Bin 3	Bin 4	Bin 5
mc_skip	0					
mc_mode0	1	0				
mc_mode5	1	1	0	0		
mc_mode6	1	1	0	1		
mc_mode1	1	1	1	1	0	0
mc_mode2	1	1	1	1	0	1
mc_mode3	1	1	1	1	1	0
mc_mode4	1	1	1	1	1	1
mc_mode7	1	1	1	0		

(b)

Binarization of sub_mc_mode

Motion Prediction Mode	Binarization Result					
	Bin 0	Bin 1	Bin 2	Bin 3	Bin 4	Bin 5
sub_mc_skip	0					
sub_mc_mode0	1	0				
sub_mc_mode5	1	1	0	0		
sub_mc_mode6	1	1	0	1		
sub_mc_mode1	1	1	1	1	0	0
sub_mc_mode2	1	1	1	1	0	1
sub_mc_mode3	1	1	1	1	1	0
sub_mc_mode4	1	1	1	1	1	1
sub_mc_mode7	1	1	1	0		

FIG.16A

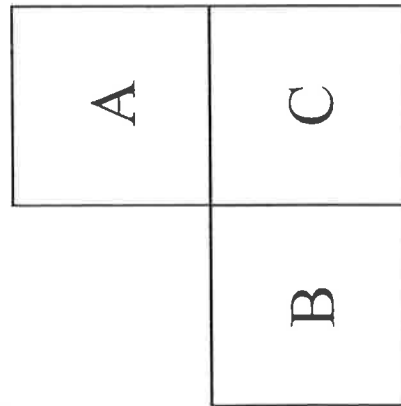


$$\text{ctx_mc_mode_bin0} = (\text{A} == \text{mc_skip}) + (\text{B} == \text{mc_skip})$$

$$\text{ctx_sub_mc_mode_bin0} = (\text{A} == \text{skip}) + (\text{B} == \text{skip})$$

$$\text{skip} = (\text{mc_skip} \parallel \text{sub_mc_skip})$$

FIG.16B

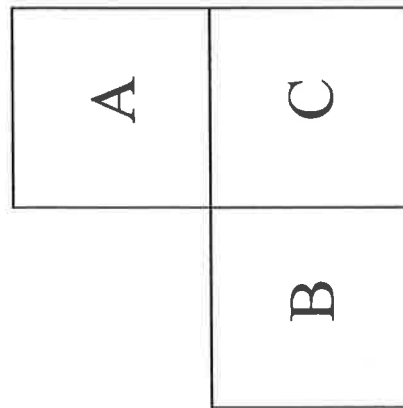


$$\text{ctx_mc_mode_bin1} = (A == \text{mc_mode0}) + (B == \text{mc_mode0})$$

$$\text{ctx_sub_mc_mode_bin1} =$$

$$(A == \text{sub_mc_mode0} \parallel \text{mc_mode0}) + (B == \text{sub_mc_mode0} \parallel \text{mc_mode0})$$

FIG.16C



$$\text{ctx_mc_mode_bin2} = (A \neq \text{complex_mc_mode}) + (B \neq \text{complex_mc_mode})$$

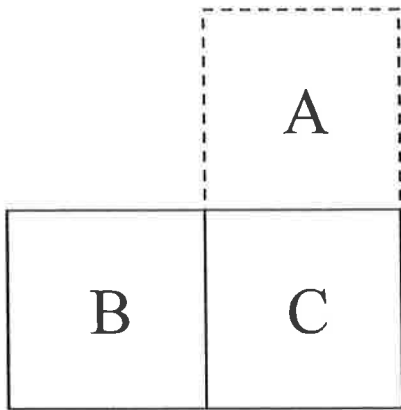
$$\text{ctx_sub_mc_mode_bin2} =$$

$$(A == \text{complex_sub_mc_mode}) + (B == \text{complex_sub_mc_mode})$$

$$\text{complex_mc_mode} = (\text{mc_mode1} \parallel \text{mc_mode2} \parallel \text{mc_mode3} \parallel \text{mc_mode4} \parallel \text{mc_mode7})$$

$$\text{complex_sub_mc_mode} = (\text{sub_mc_mode1} \parallel \text{sub_mc_mode2} \parallel \text{sub_mc_mode3} \parallel \text{sub_mc_mode4} \parallel \text{sub_mc_mode7})$$

FIG.16D



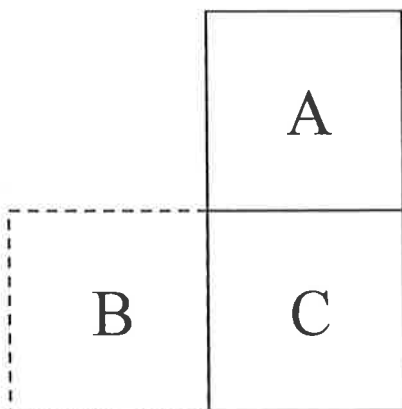
$$\text{ctx_mc_mode_bin4} = (\text{B} == \text{mc_h_part})$$

$$\text{ctx_sub_mc_mode_bin4} = (\text{B} == \text{sub_mc_h_part})$$

$$\text{mc_h_part} = (\text{mc_mode3} \parallel \text{mc_mode4} \parallel \text{mc_mode6} \parallel \text{mc_mode7})$$

$$\text{sub_mc_h_part} = (\text{sub_mc_mode3} \parallel \text{sub_mc_mode4} \parallel \text{sub_mc_mode6} \parallel \text{sub_mc_mode7})$$

FIG.16E



$$\text{ctx_mc_mode_bin5} = (\text{A} == \text{mc_v_part})$$

$$\text{ctx_sub_mc_mode_bin5} = (\text{A} == \text{sub_mc_v_part})$$

$$\text{mc_v_part} = (\text{mc_mode2} \parallel \text{mc_mode4} \parallel \text{mc_mode5} \parallel \text{mc_mode7})$$

$$\text{sub_mc_v_part} = (\text{sub_mc_mode2} \parallel \text{sub_mc_mode4} \parallel \text{sub_mc_mode5} \parallel \text{sub_mc_mode7})$$

FIG.17

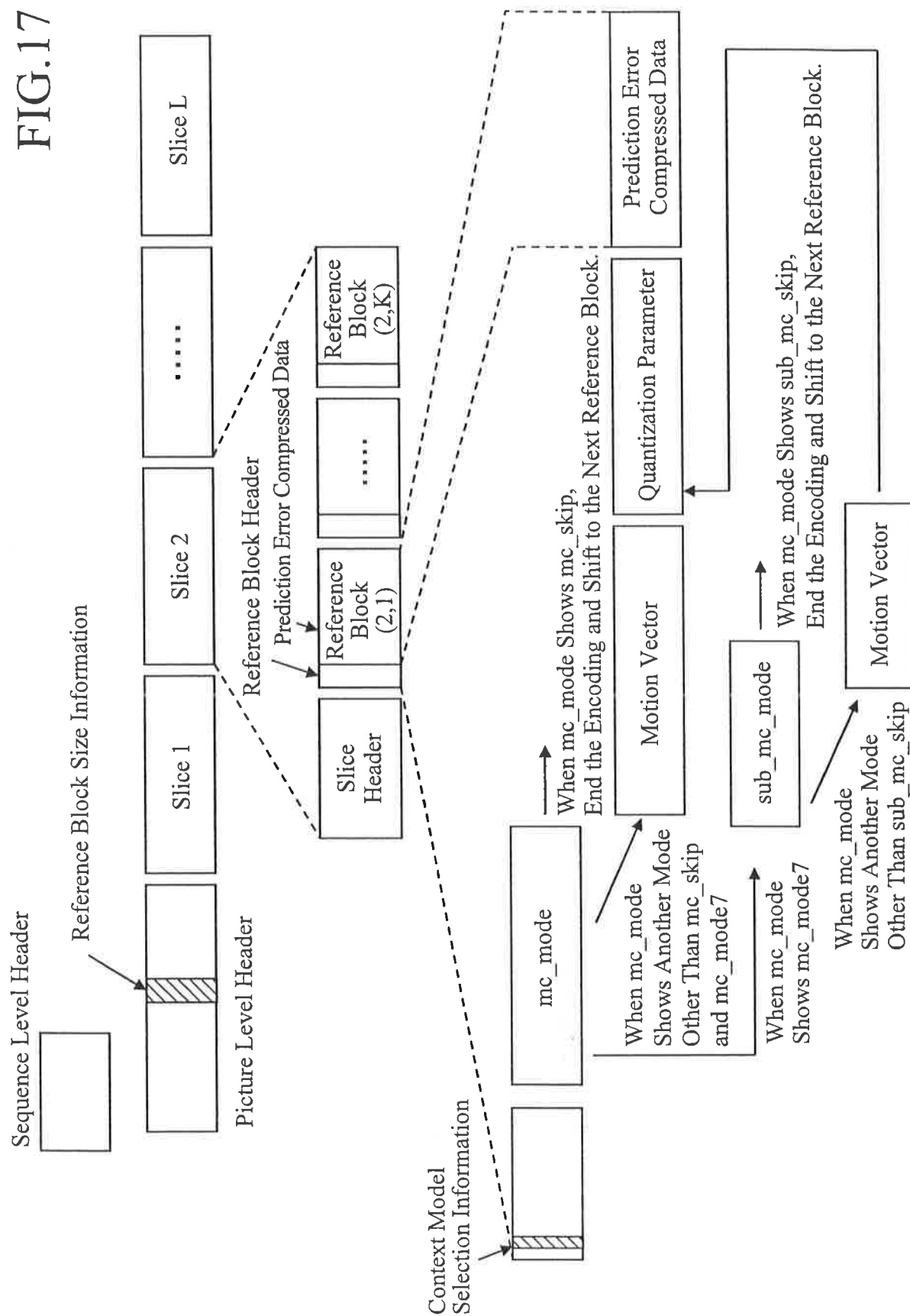


FIG.18

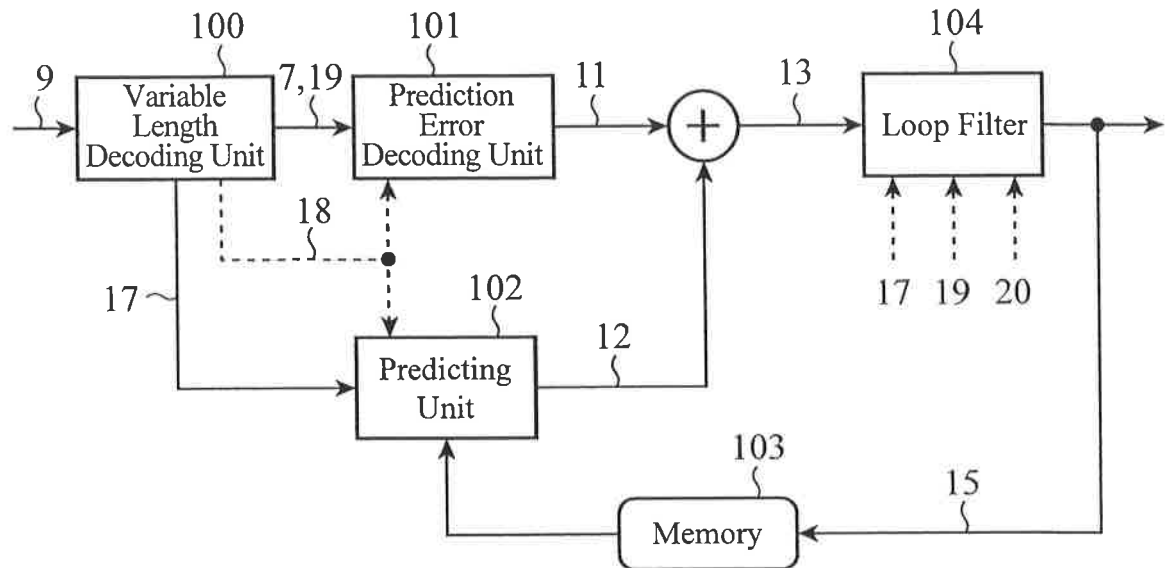


FIG.19

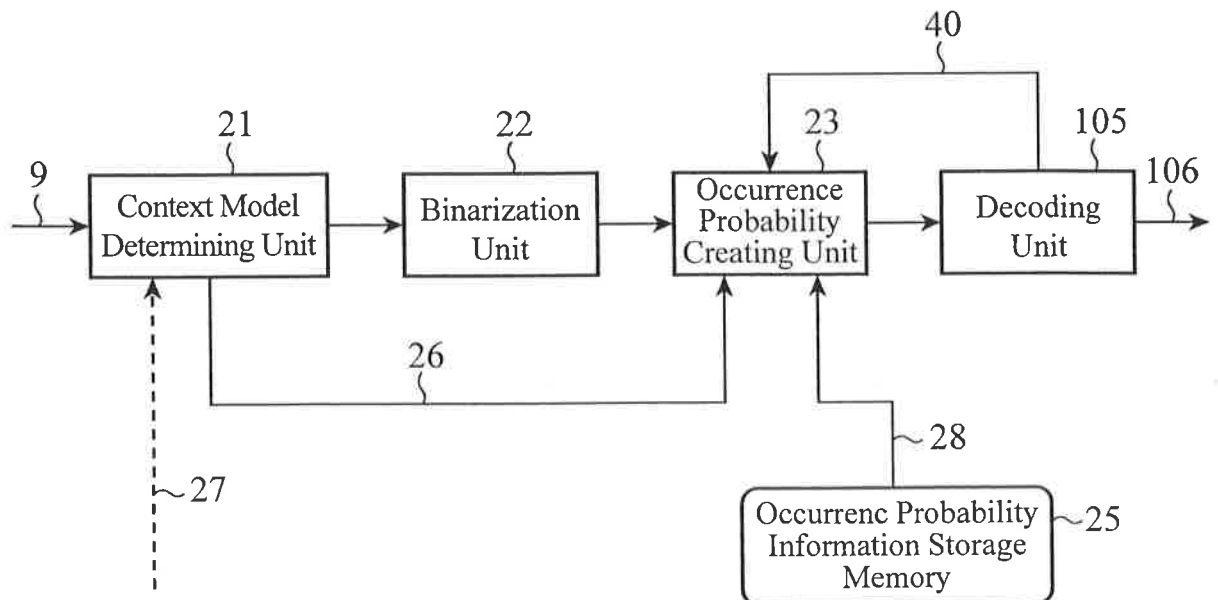


FIG.20

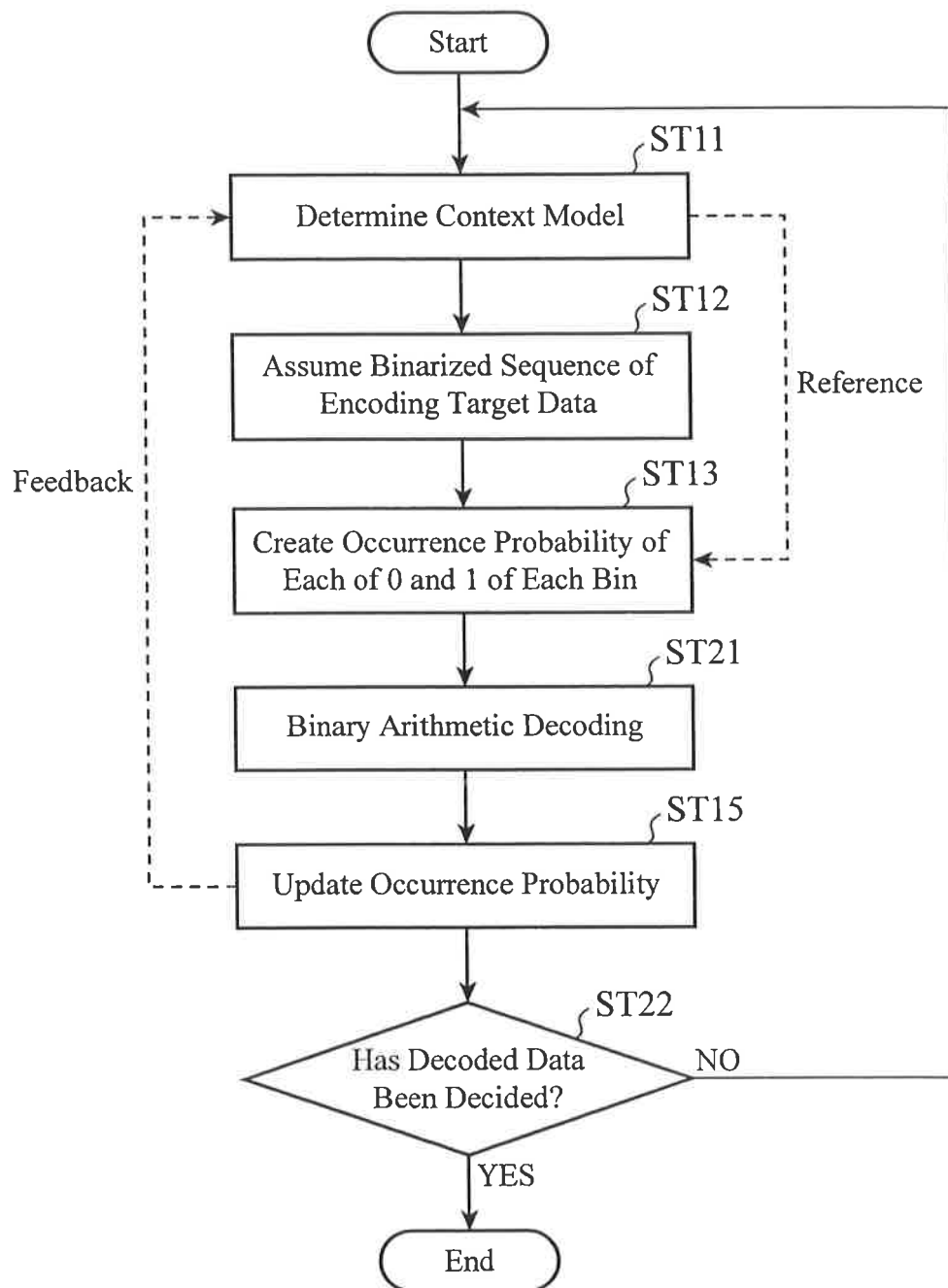


FIG.21

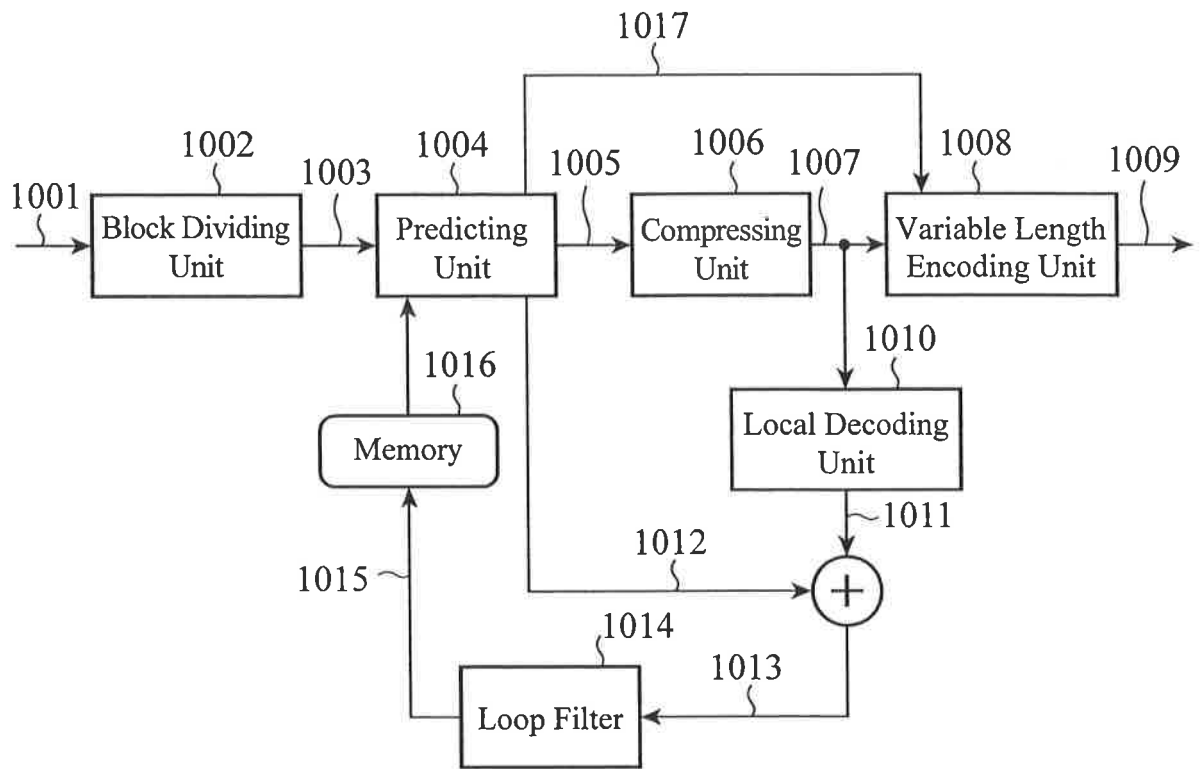


FIG.22

