

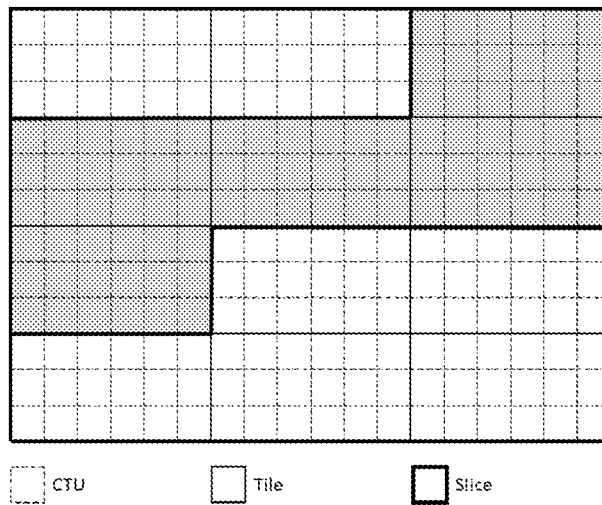


FIG. 1

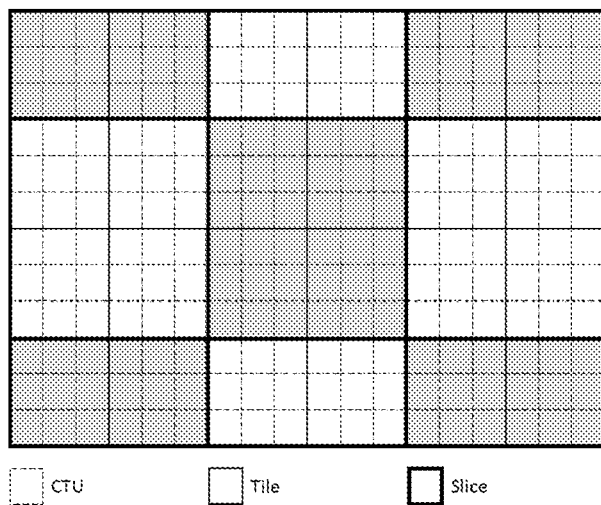


FIG. 2

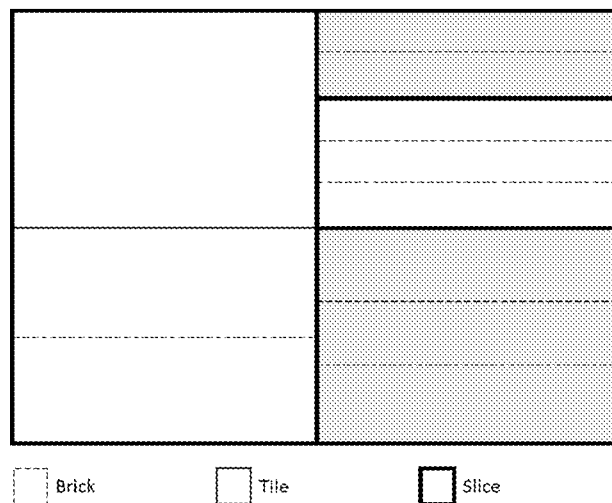


FIG. 3

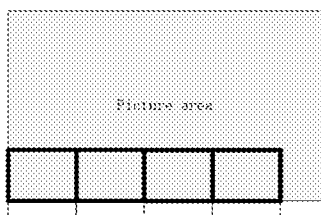


FIG. 4A

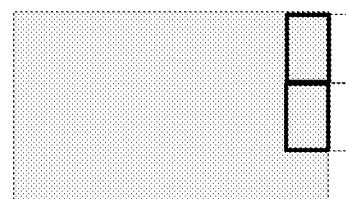


FIG. 4B

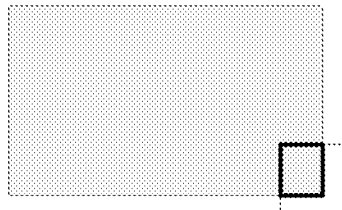


FIG. 4C

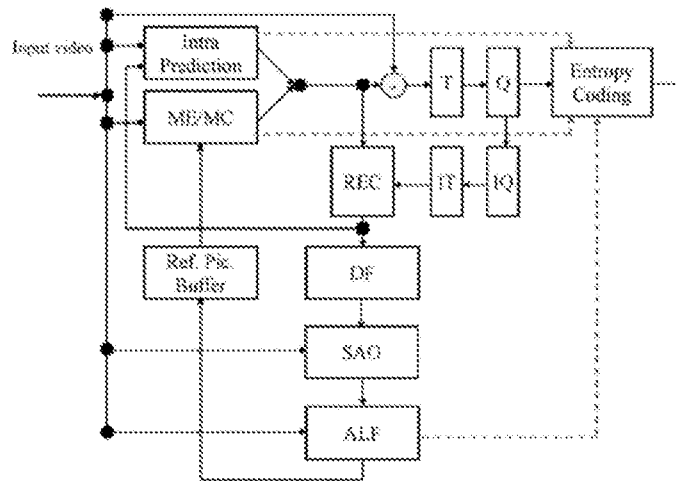


FIG. 5

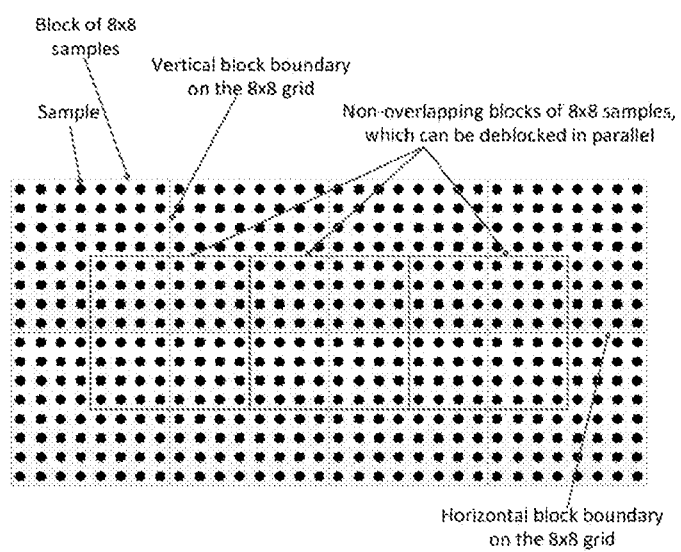


FIG. 6

$p3_0$	$p2_0$	$p1_0$	$p0_0$	$q0_0$	$q1_0$	$q2_0$	$q3_0$	
$p3_1$	$p2_1$	$p1_1$	$p0_1$	$q0_1$	$q1_1$	$q2_1$	$q3_1$	
$p3_2$	$p2_2$	$p1_2$	$p0_2$	$q0_2$	$q1_2$	$q2_2$	$q3_2$	first 4 lines
$p3_3$	$p2_3$	$p1_3$	$p0_3$	$q0_3$	$q1_3$	$q2_3$	$q3_3$	
$p3_4$	$p2_4$	$p1_4$	$p0_4$	$q0_4$	$q1_4$	$q2_4$	$q3_4$	
$p3_5$	$p2_5$	$p1_5$	$p0_5$	$q0_5$	$q1_5$	$q2_5$	$q3_5$	
$p3_6$	$p2_6$	$p1_6$	$p0_6$	$q0_6$	$q1_6$	$q2_6$	$q3_6$	second 4 lines
$p3_7$	$p2_7$	$p1_7$	$p0_7$	$q0_7$	$q1_7$	$q2_7$	$q3_7$	

FIG. 7

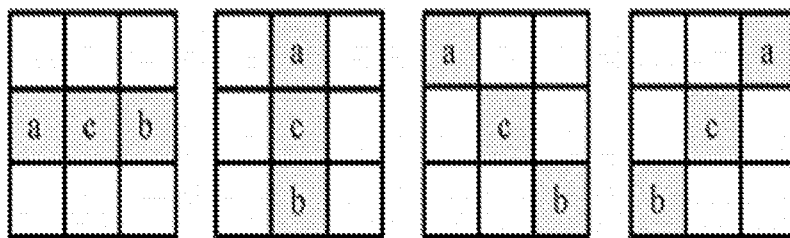


FIG. 8

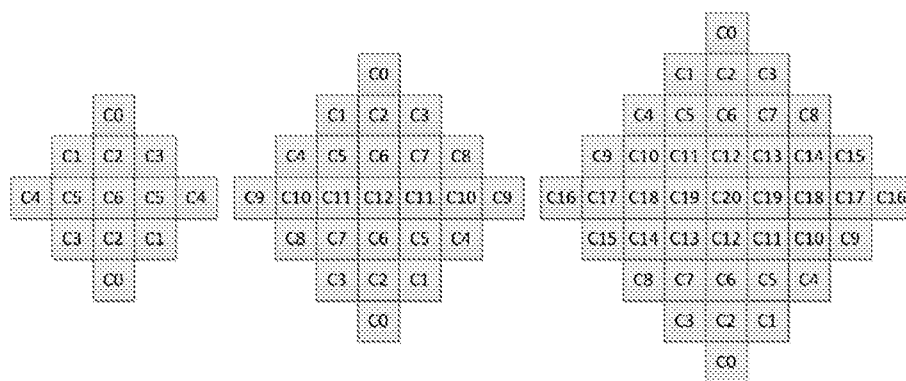


FIG. 9

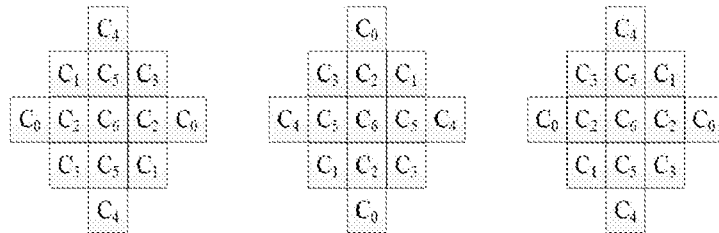


FIG. 10

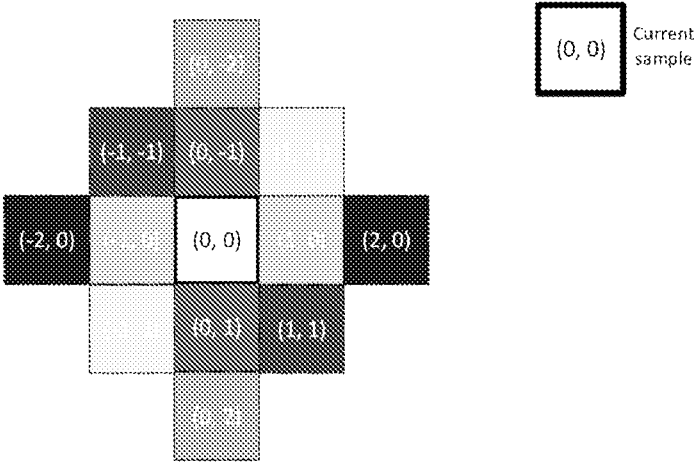


FIG. 11

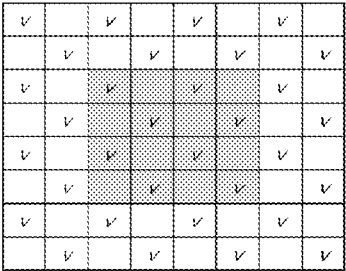


FIG. 12A

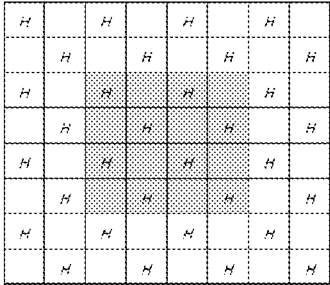


FIG. 12B

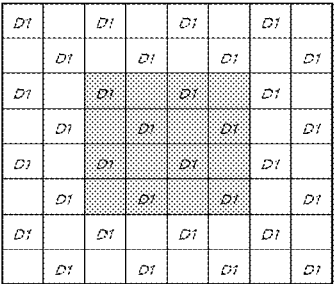


FIG. 12C

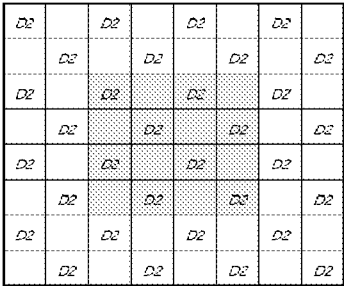


FIG. 12D

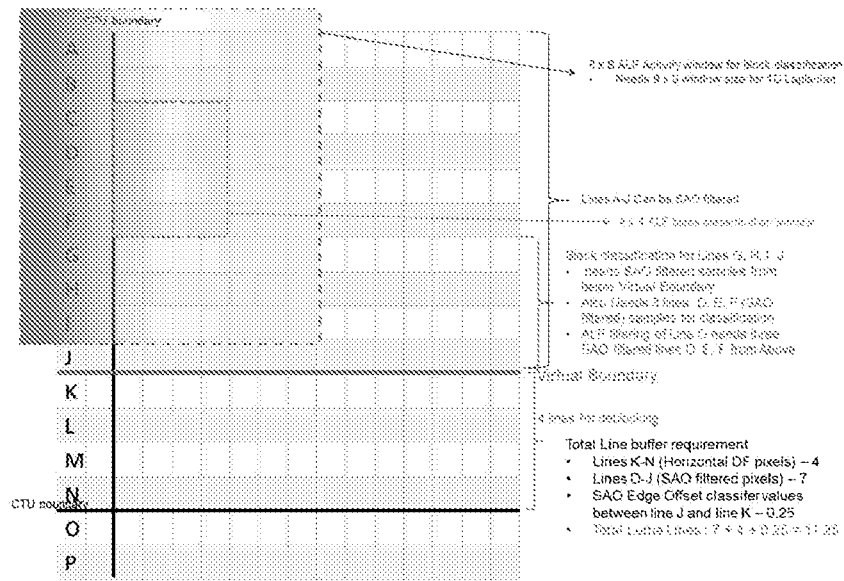


FIG. 13

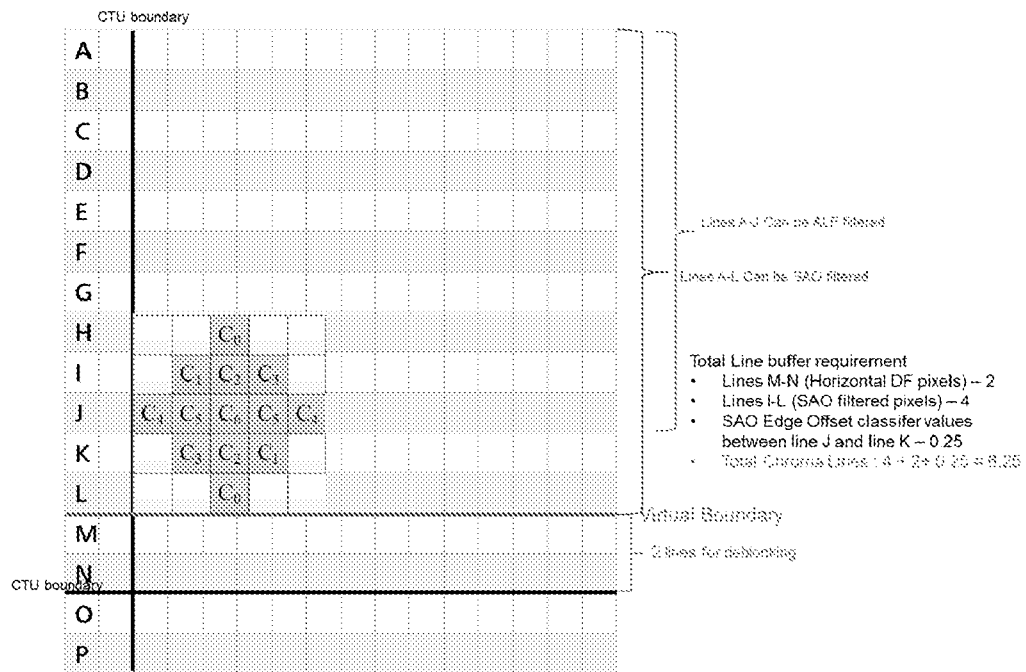


FIG. 14

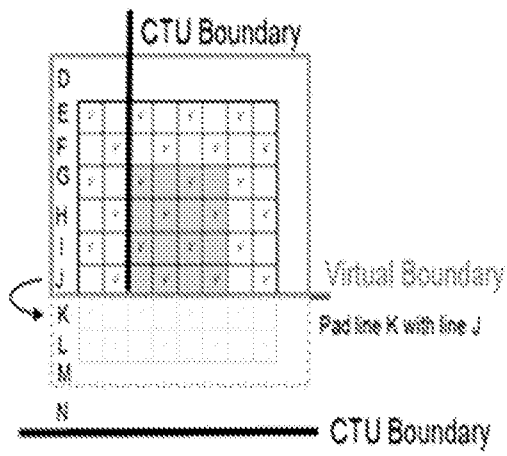


FIG. 15A

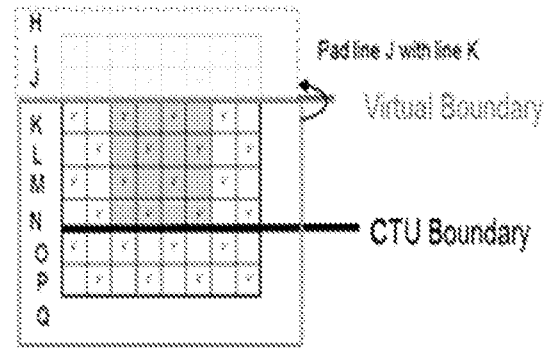


FIG. 15B

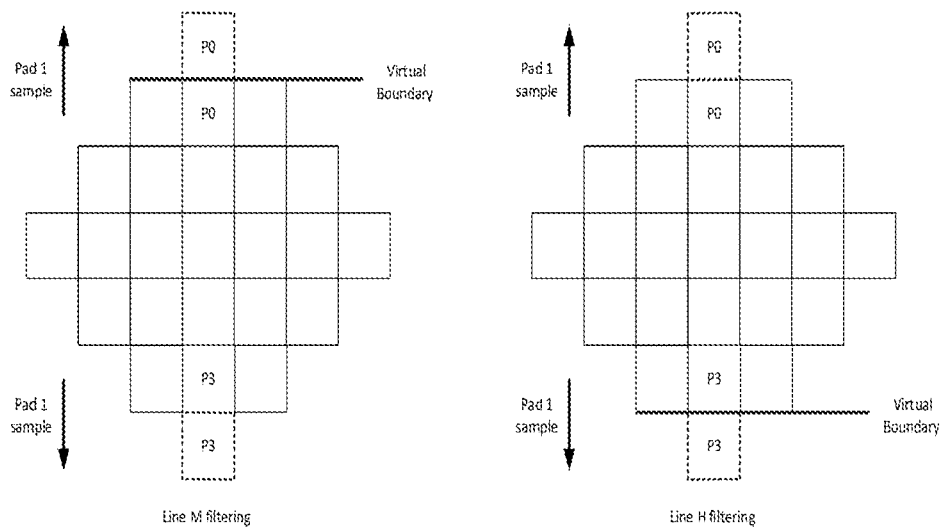


FIG. 16A

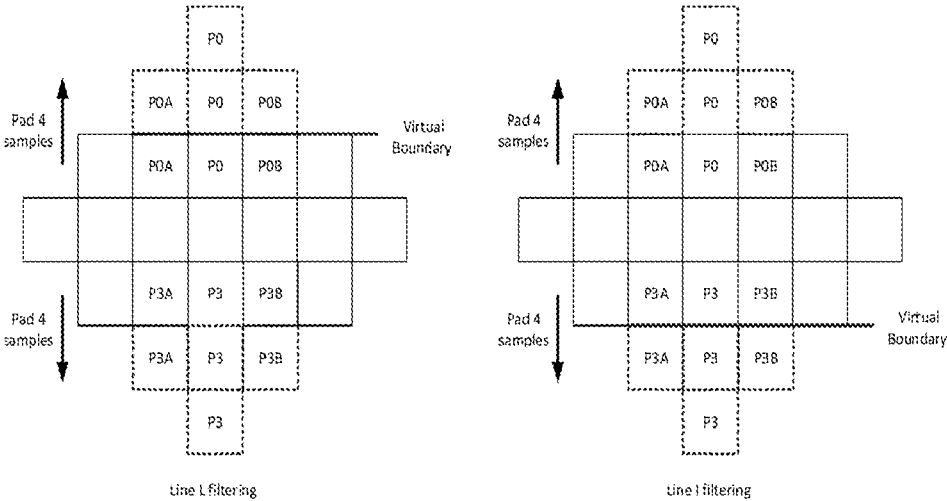


FIG. 16B

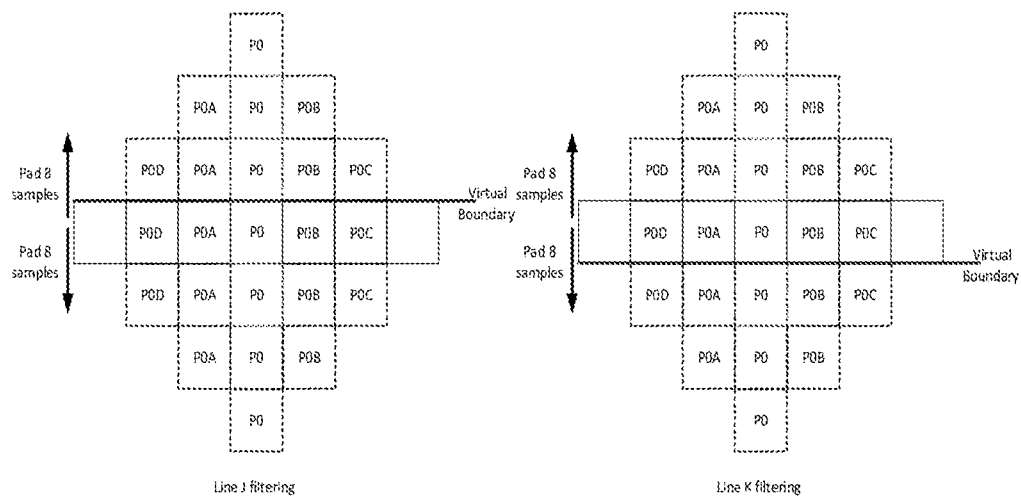


FIG. 16C

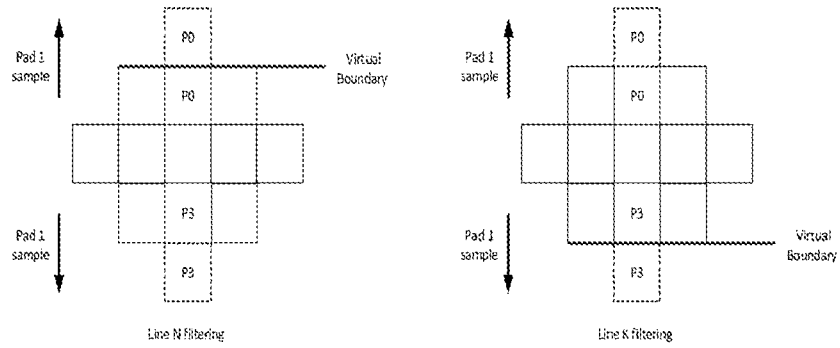


FIG. 17A

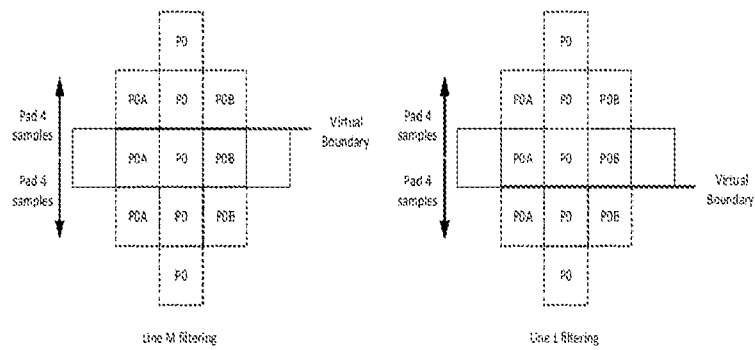


FIG. 17B

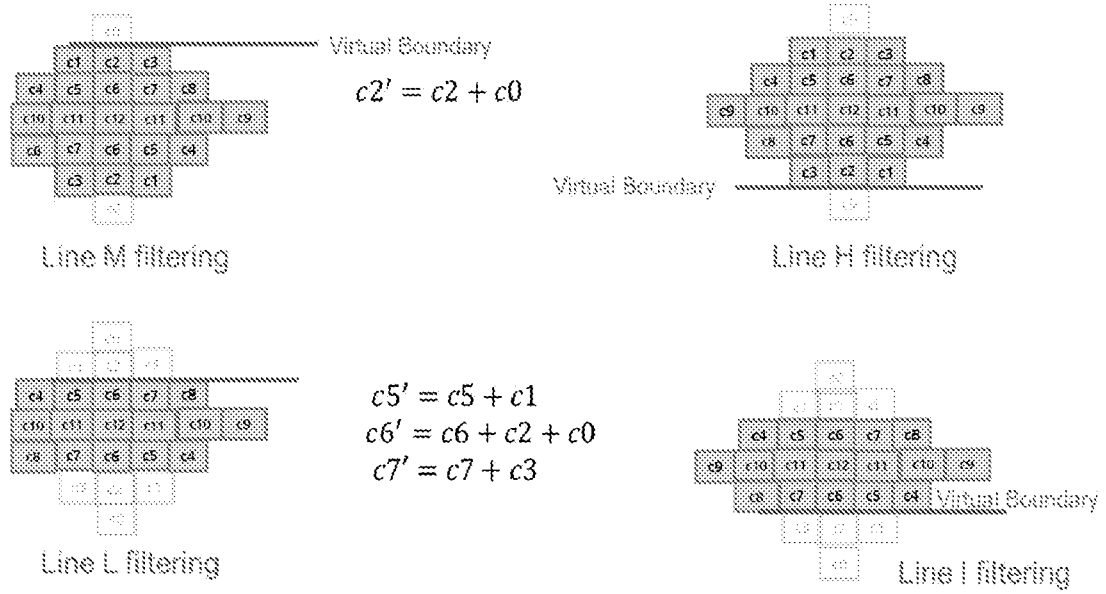


FIG. 18A



$$\begin{aligned}
 c10' &= c10 + c4 + c8 \\
 c11' &= c11 + c5 + c7 + c1 + c3 \\
 c12' &= c12 + 2 * c6 + 2 * c2 + 2 * c0
 \end{aligned}$$

FIG. 18B

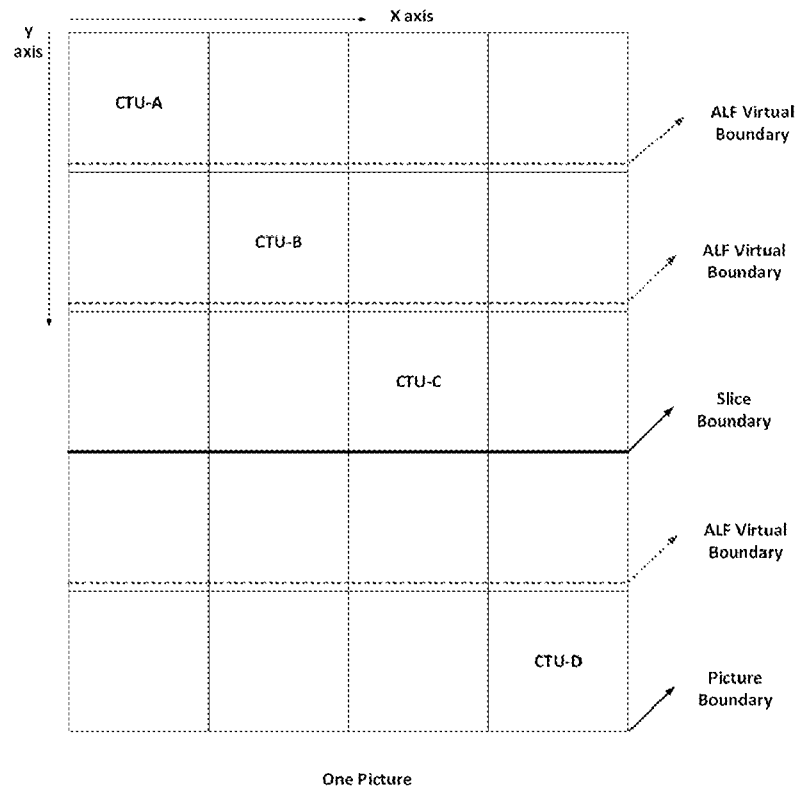


FIG. 19

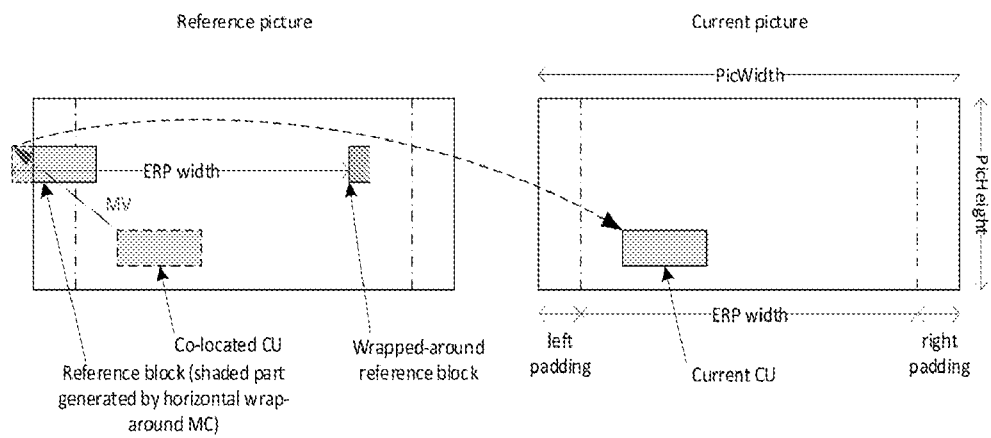


FIG. 20

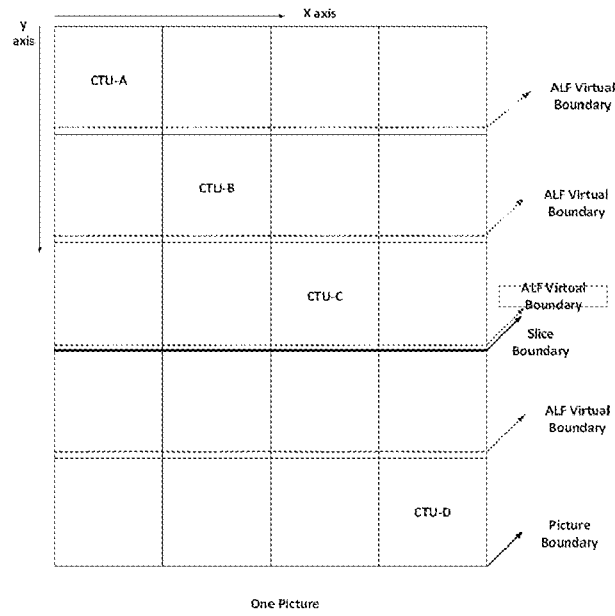


FIG. 21

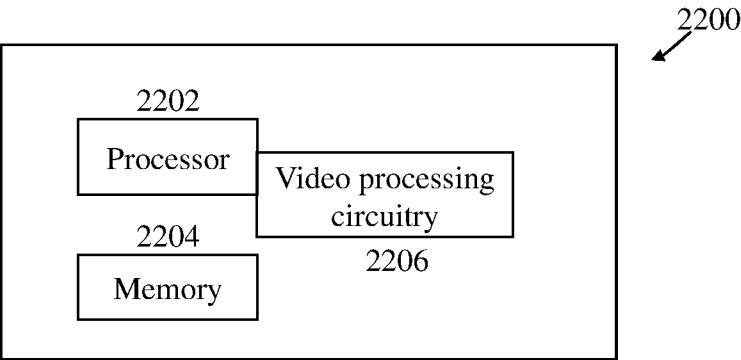


FIG. 22

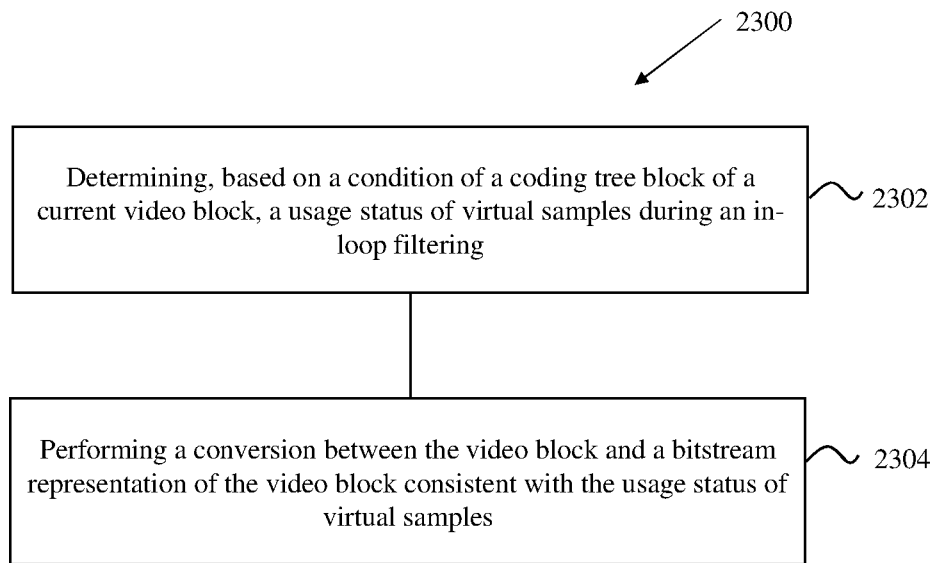


FIG. 23

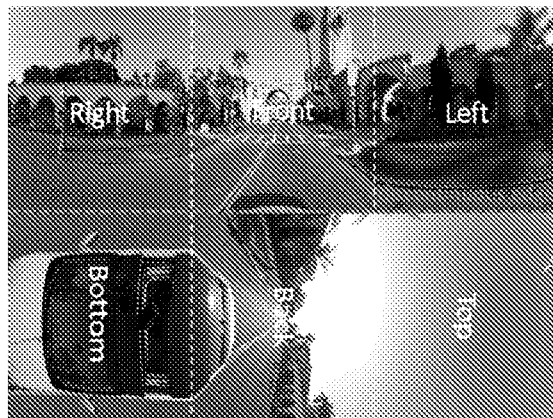


FIG. 24

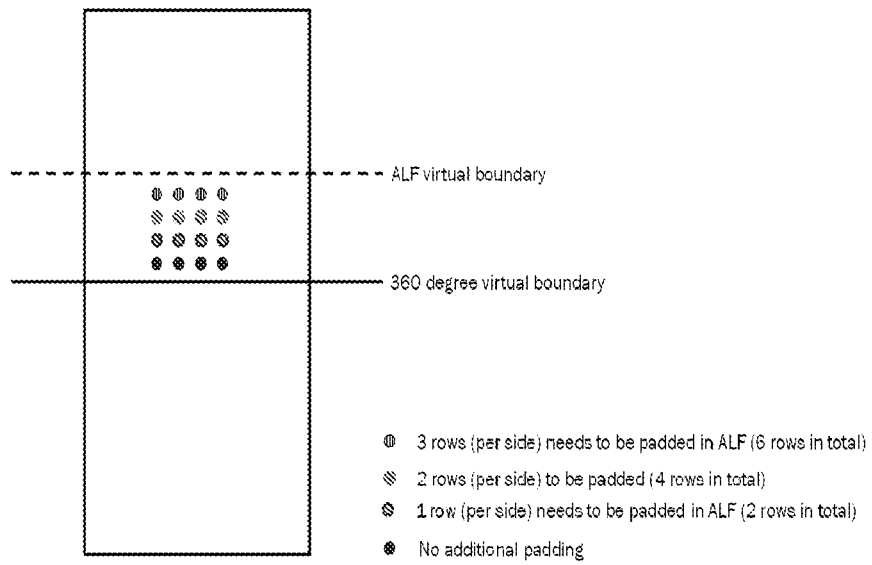
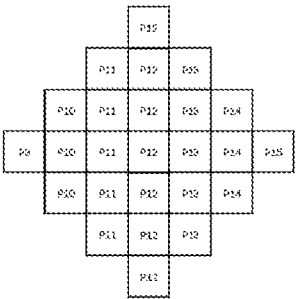
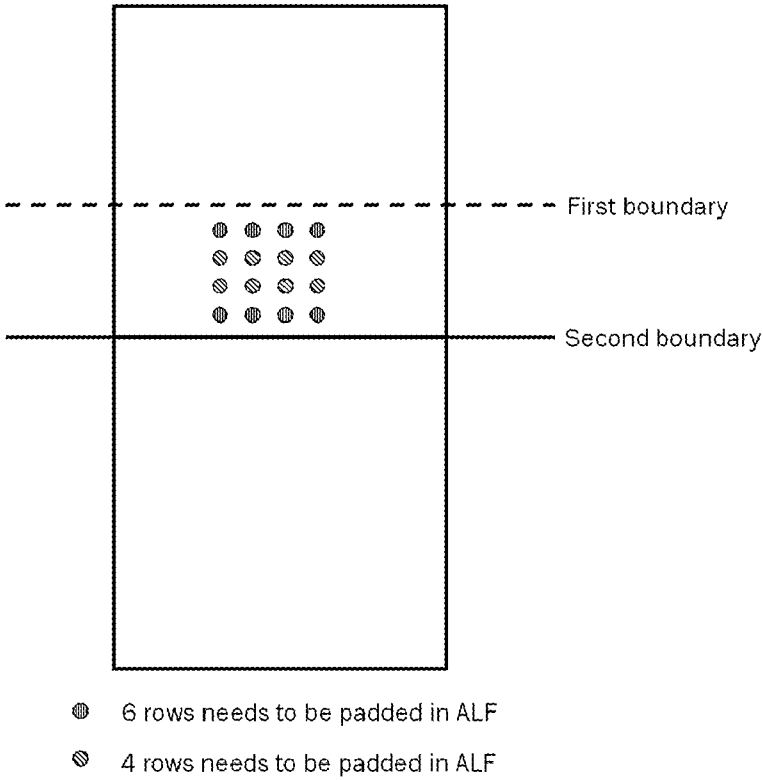
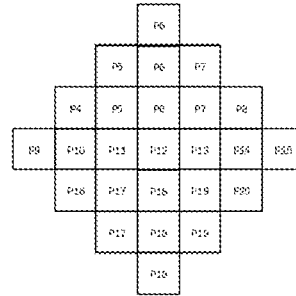


FIG. 25

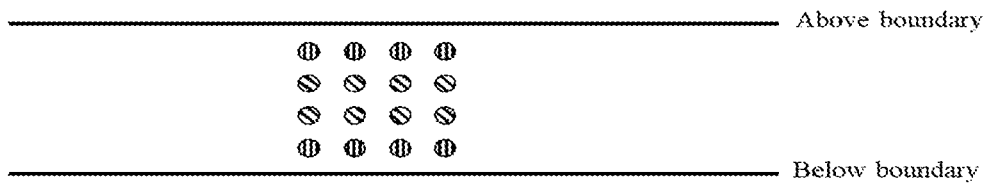


6 rows are padded in ALF



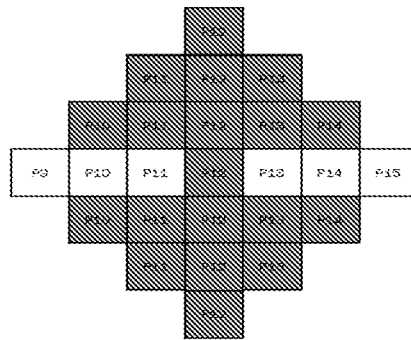
4 rows are padded in ALF

FIG. 26

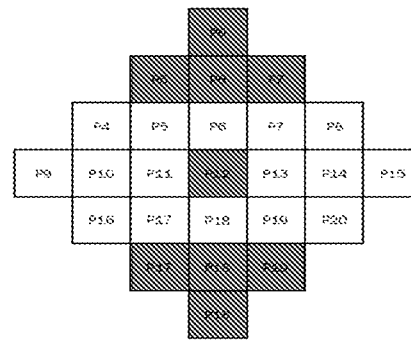


⊖ 6 neighboring rows needs to be padded in ALF

⊘ 4 neighboring rows needs to be padded in ALF



6 rows are padded



4 rows are padded



Current sample



Padded samples

FIG. 27

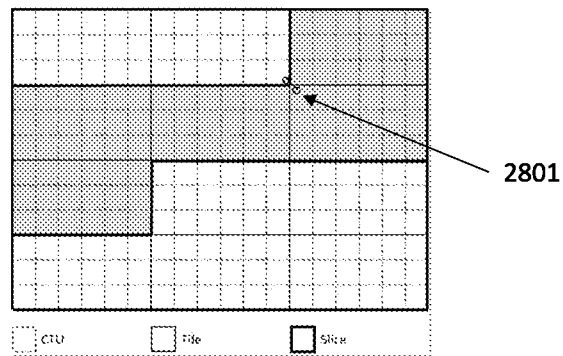


FIG. 28

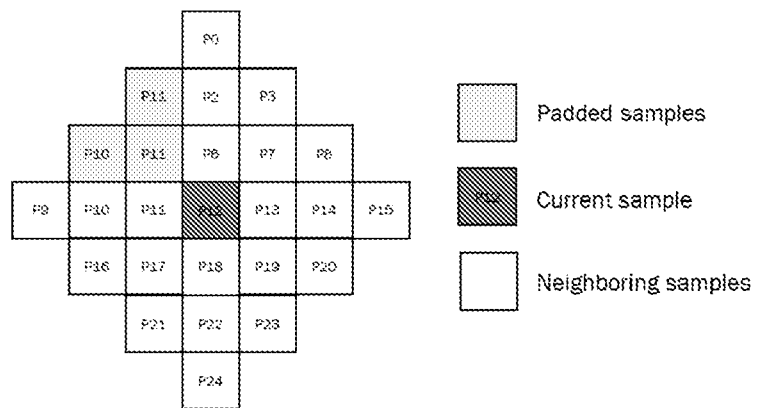


FIG. 29

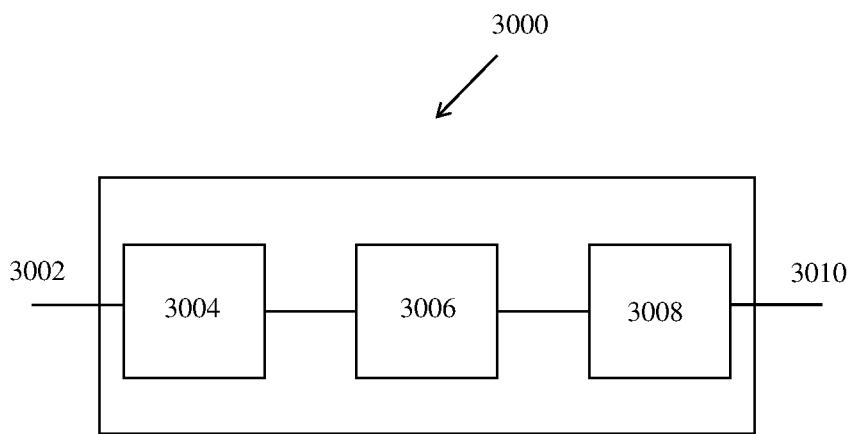


FIG. 30

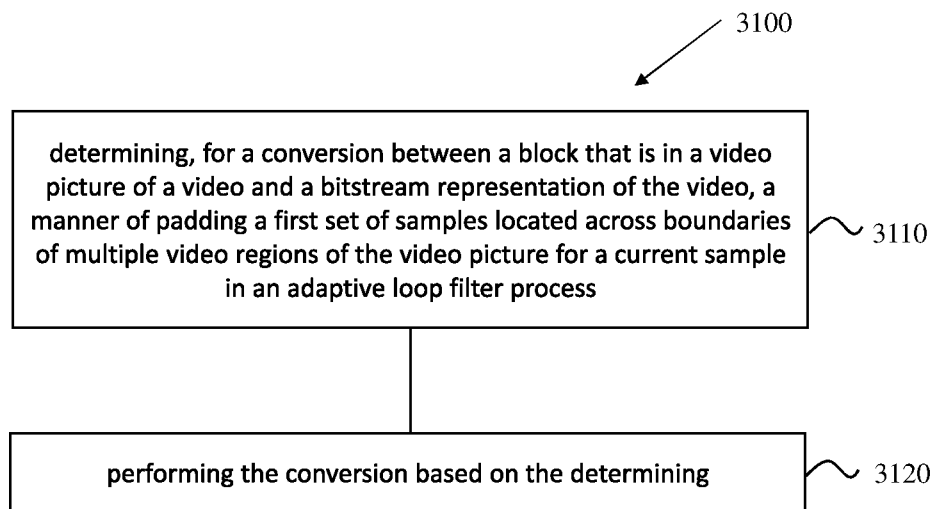


FIG. 31

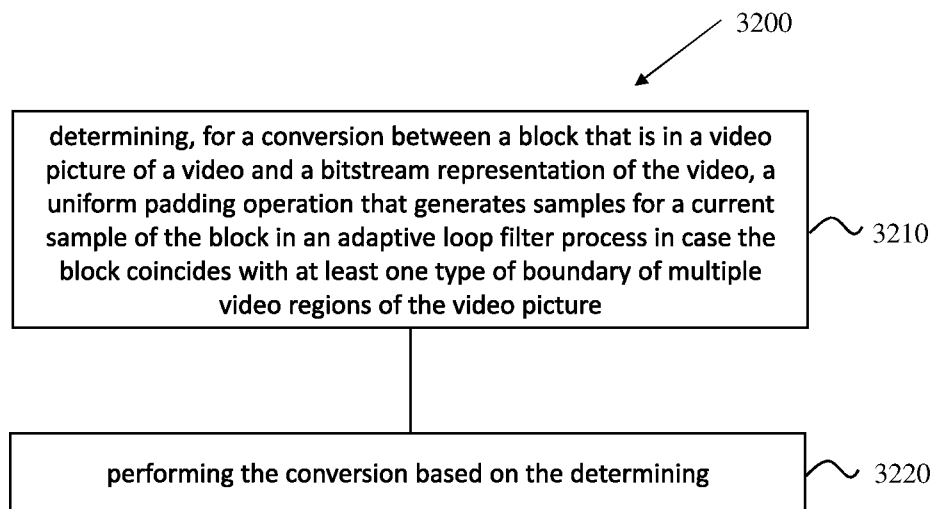


FIG. 32

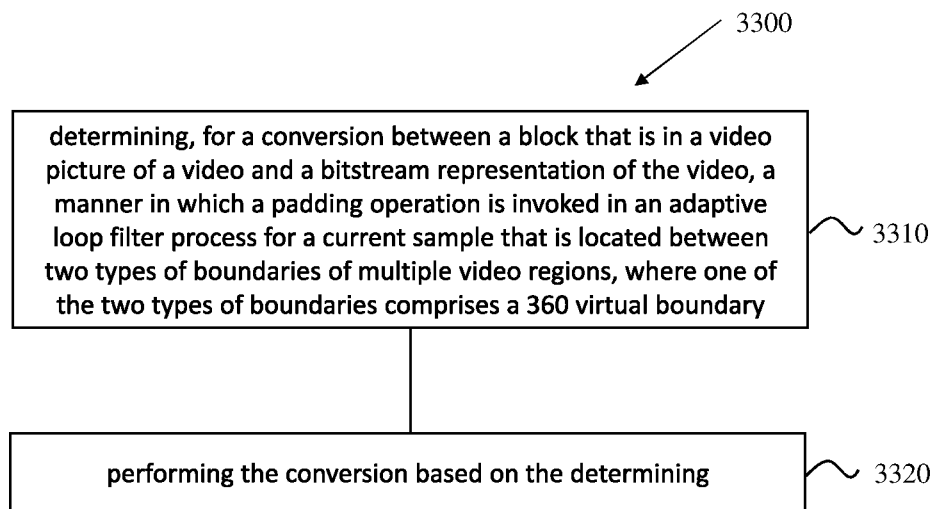


FIG. 33