

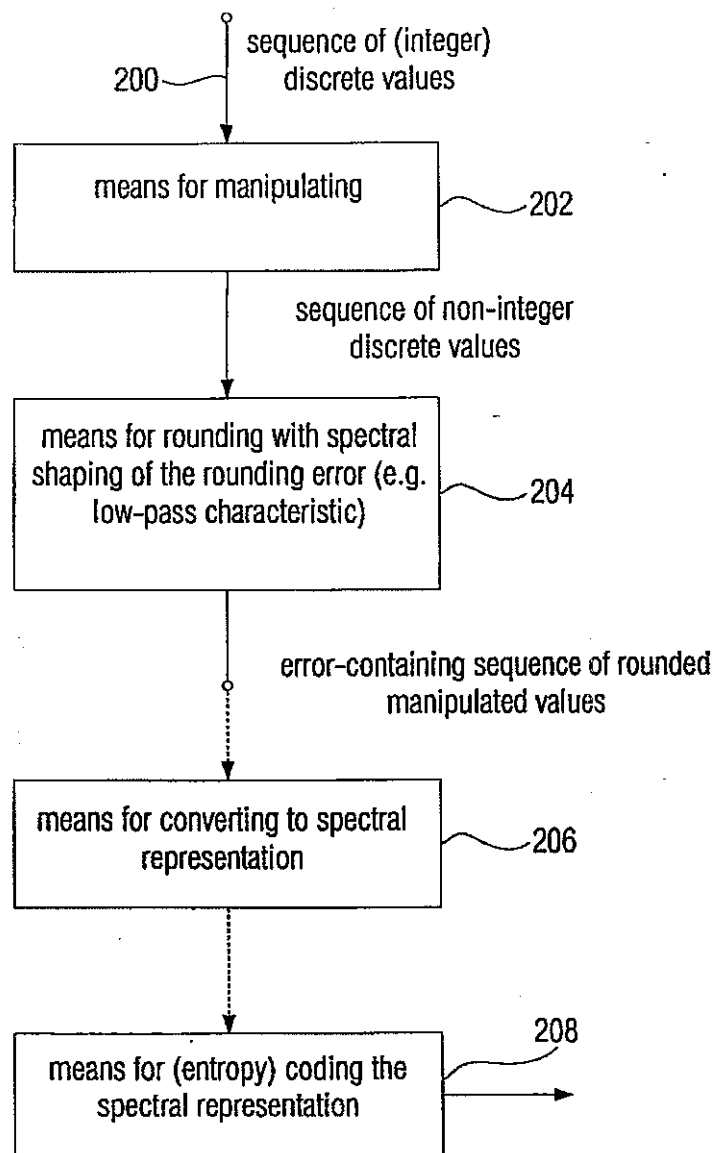


FIGURE 1

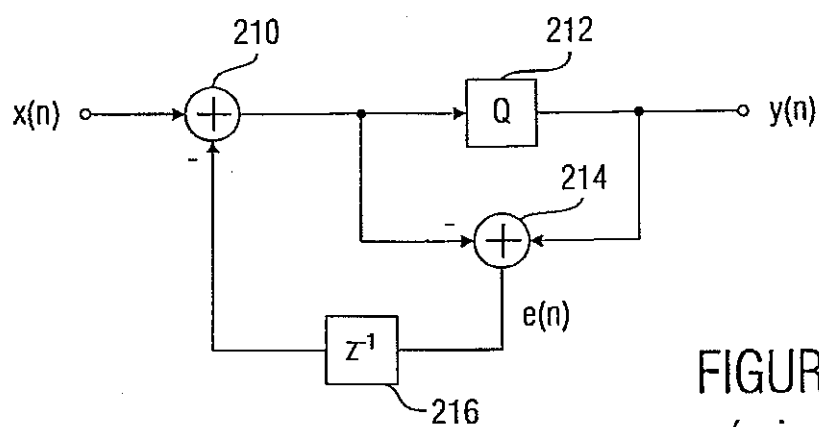


FIGURE 2A
(prior art)

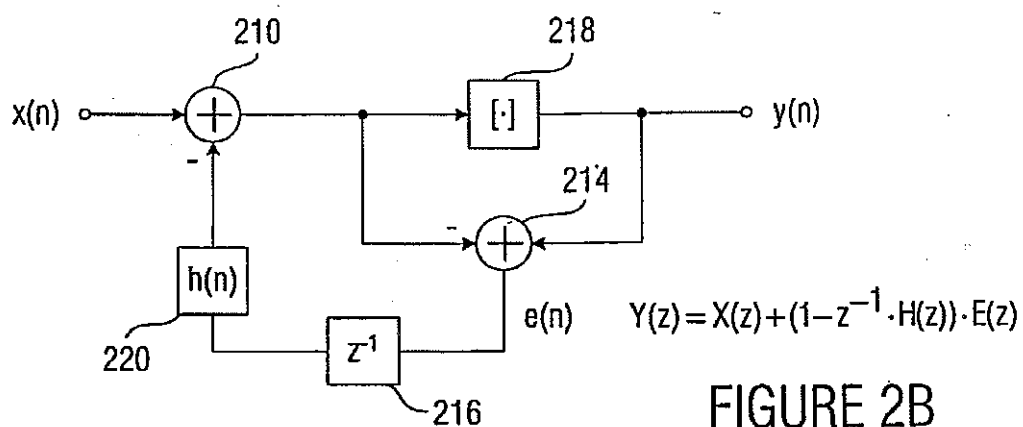


FIGURE 2B

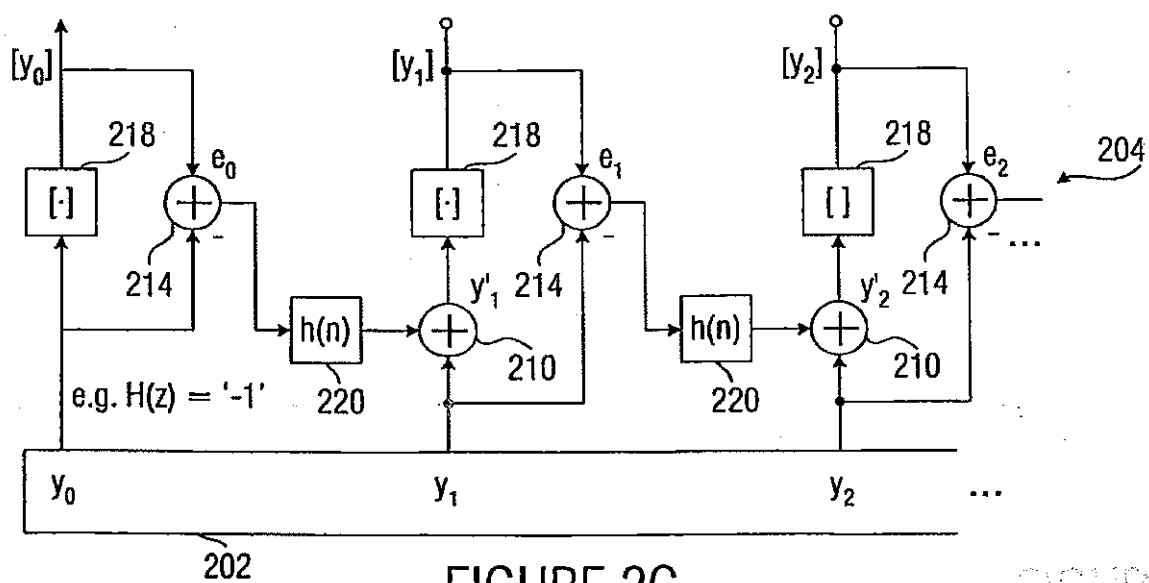


FIGURE 2C

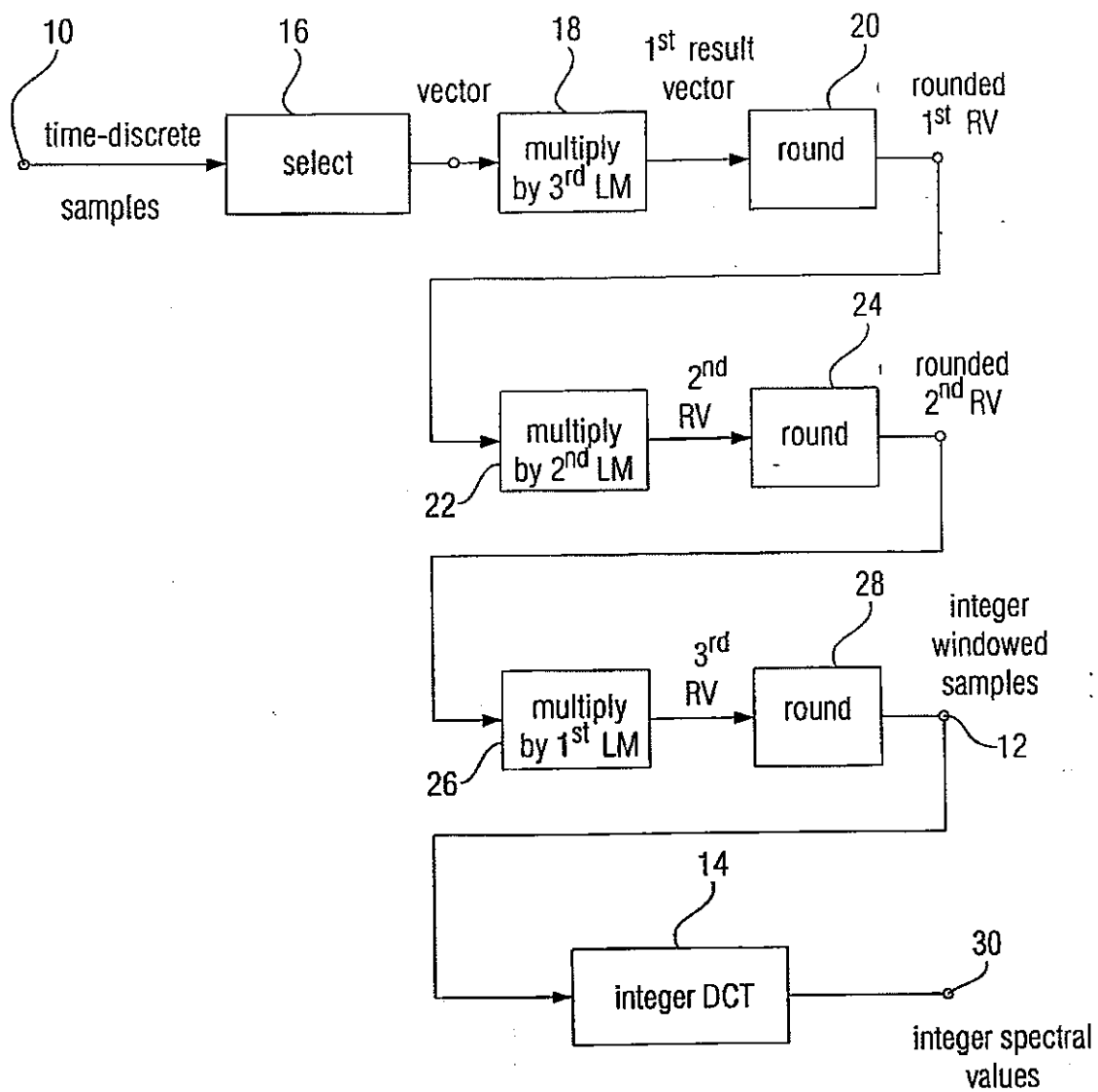


FIGURE 3

FIGURE 4

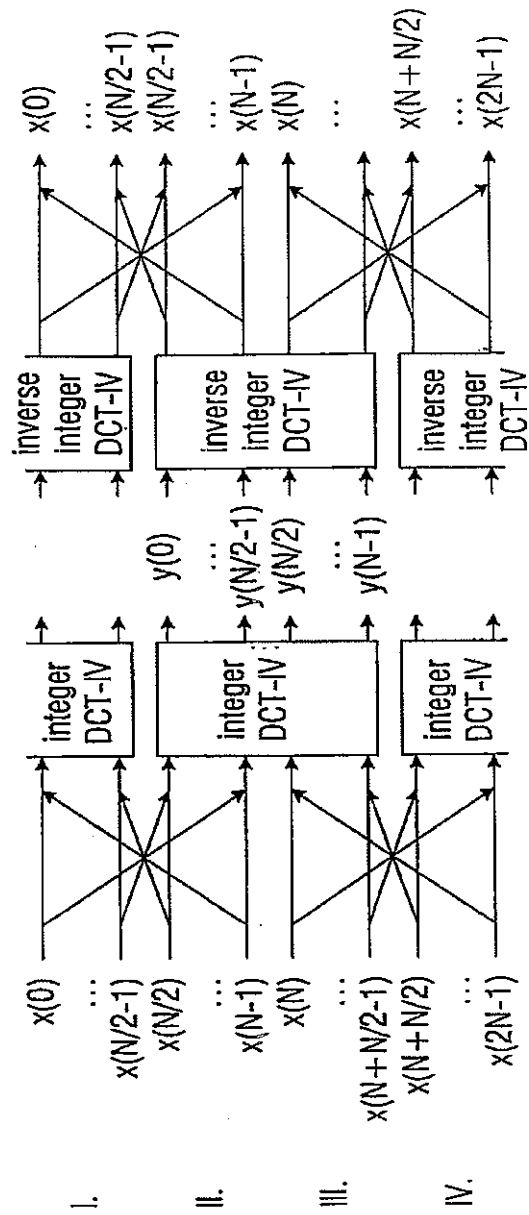


FIGURE 5

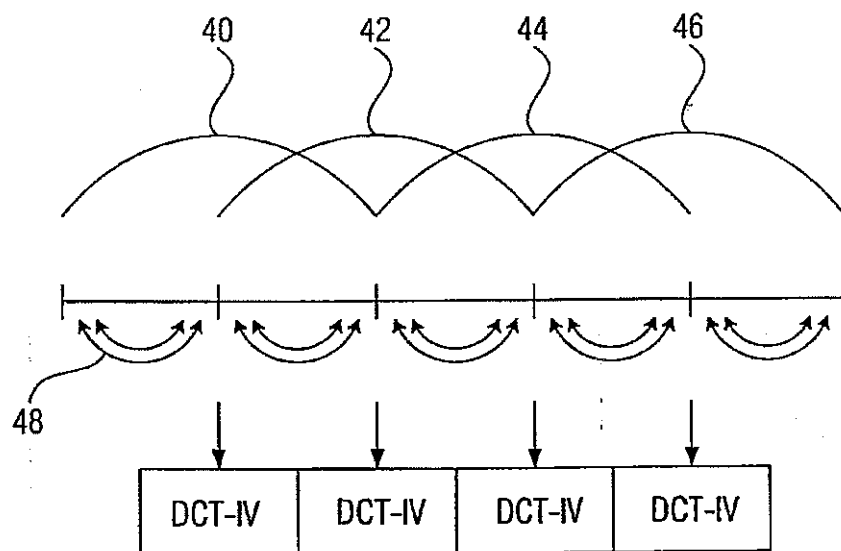


FIGURE 6A

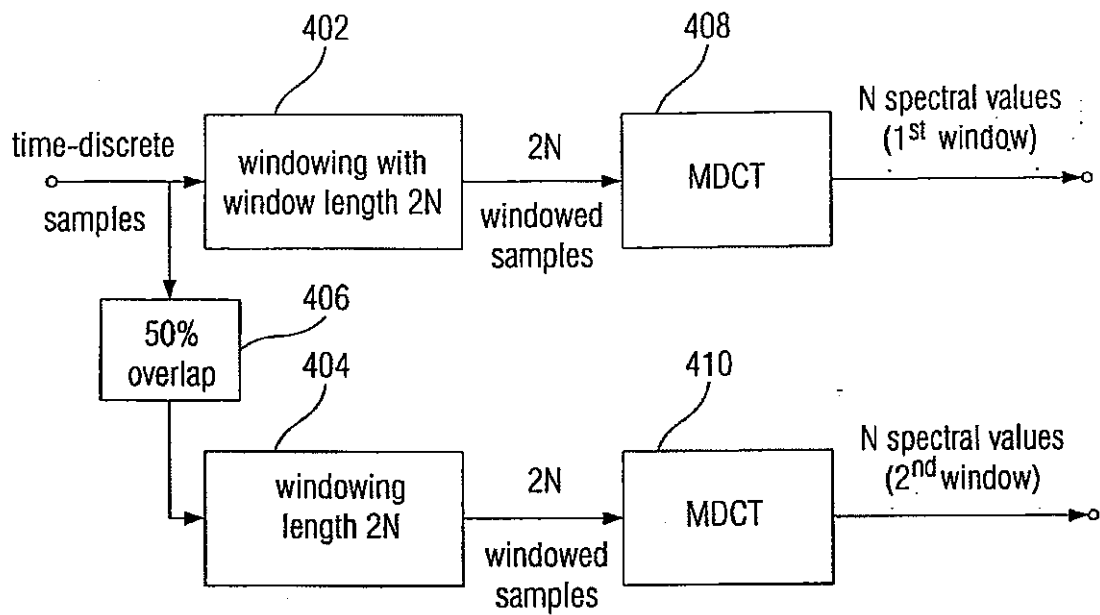
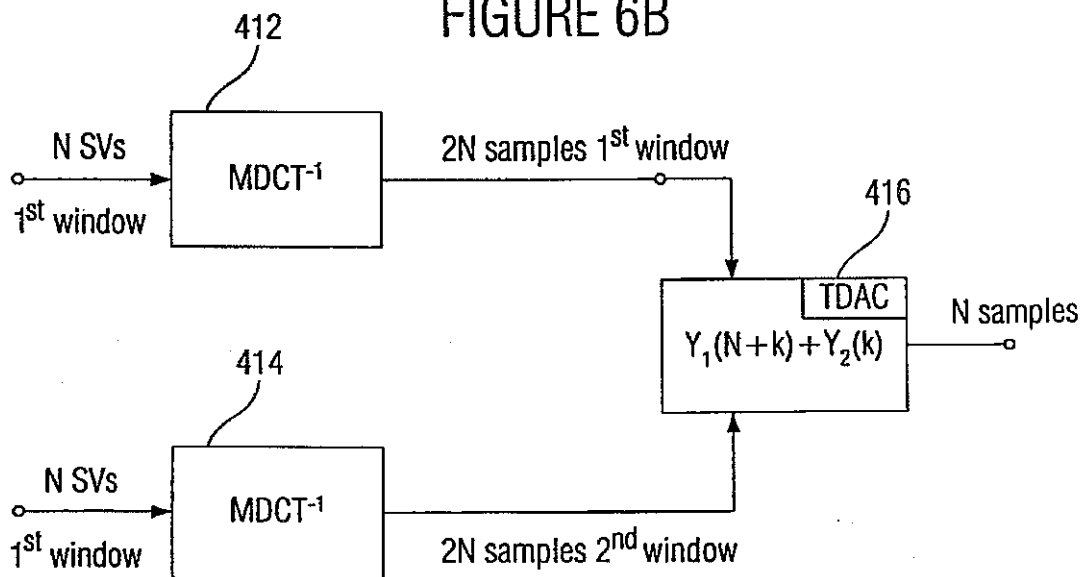
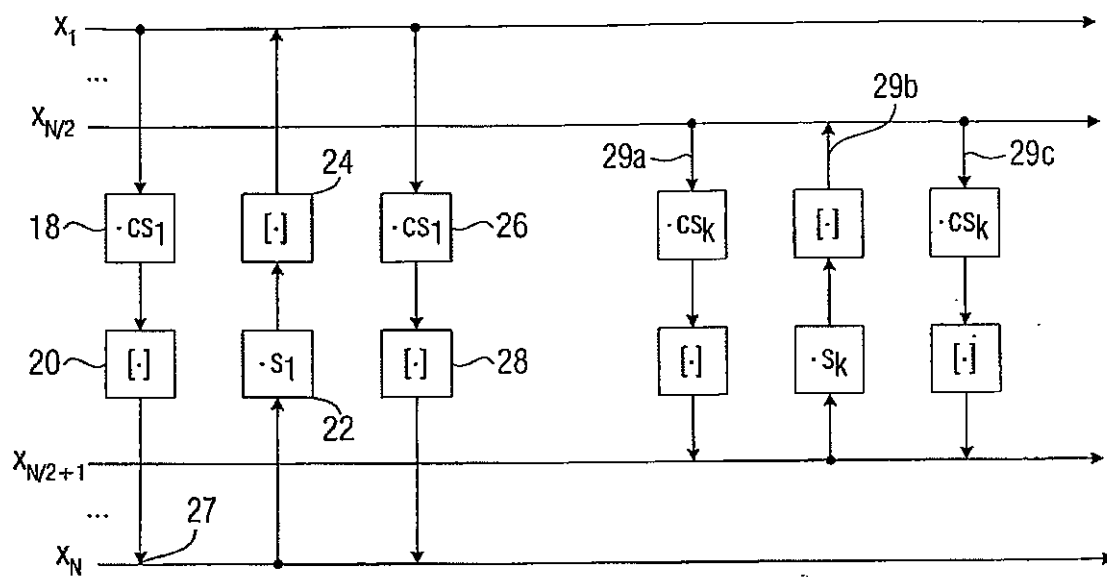


FIGURE 6B



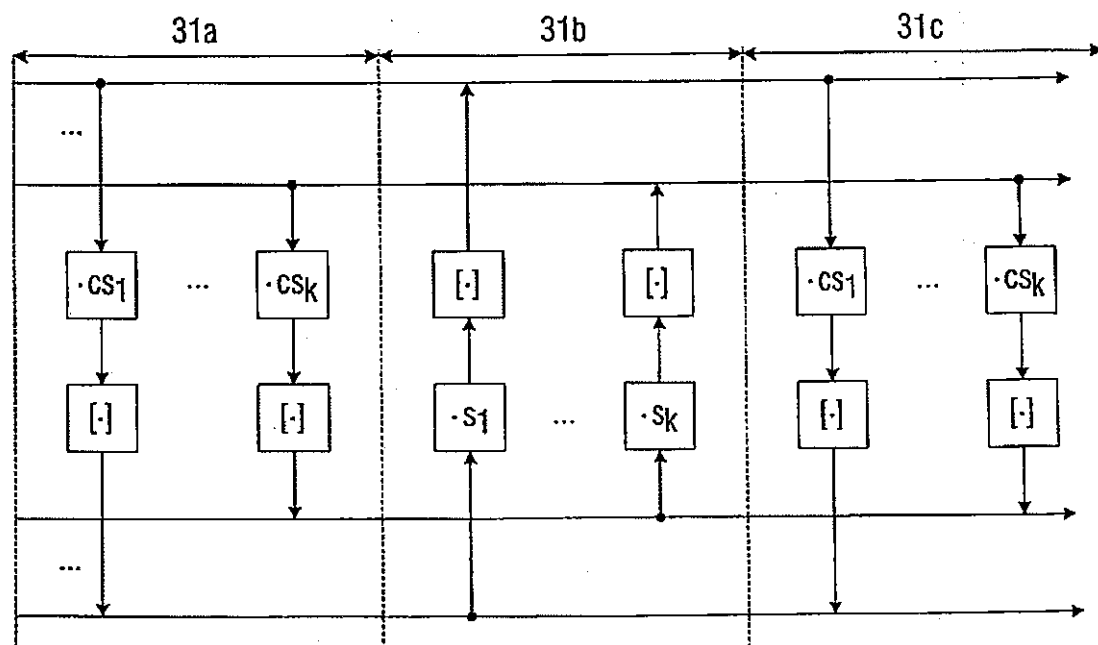


$$cs_k = \frac{\cos \alpha_{k-1}}{\sin \alpha_k}; s_k = \sin \alpha_k;$$

$$\alpha_k = \arctan \frac{w(N/2-1-k)}{w(N/2+k)}$$

windowing with lifting

FIGURE 7
(prior art)



windowing with lifting
(resorted)

FIGURE 8
(prior art)

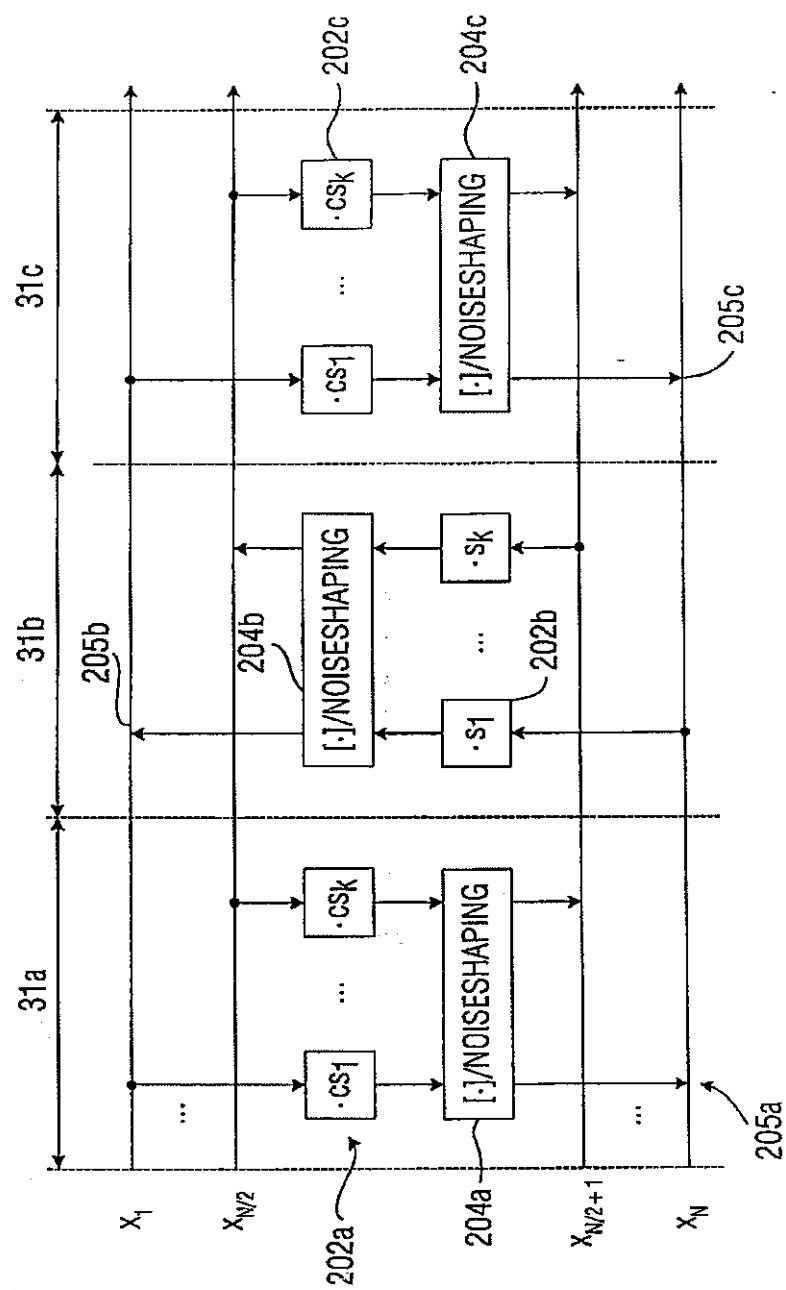


FIGURE 10A

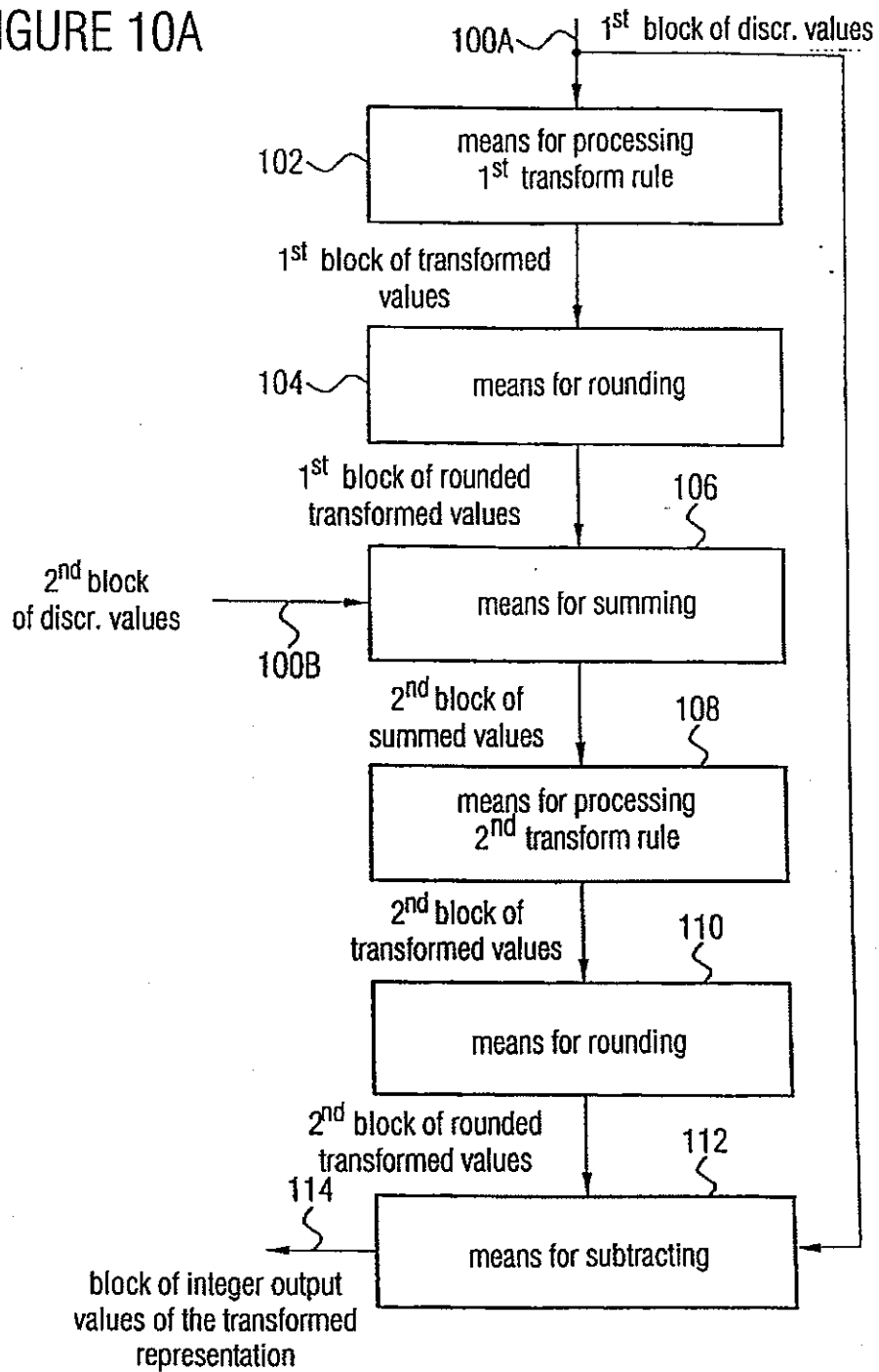


FIGURE 10B

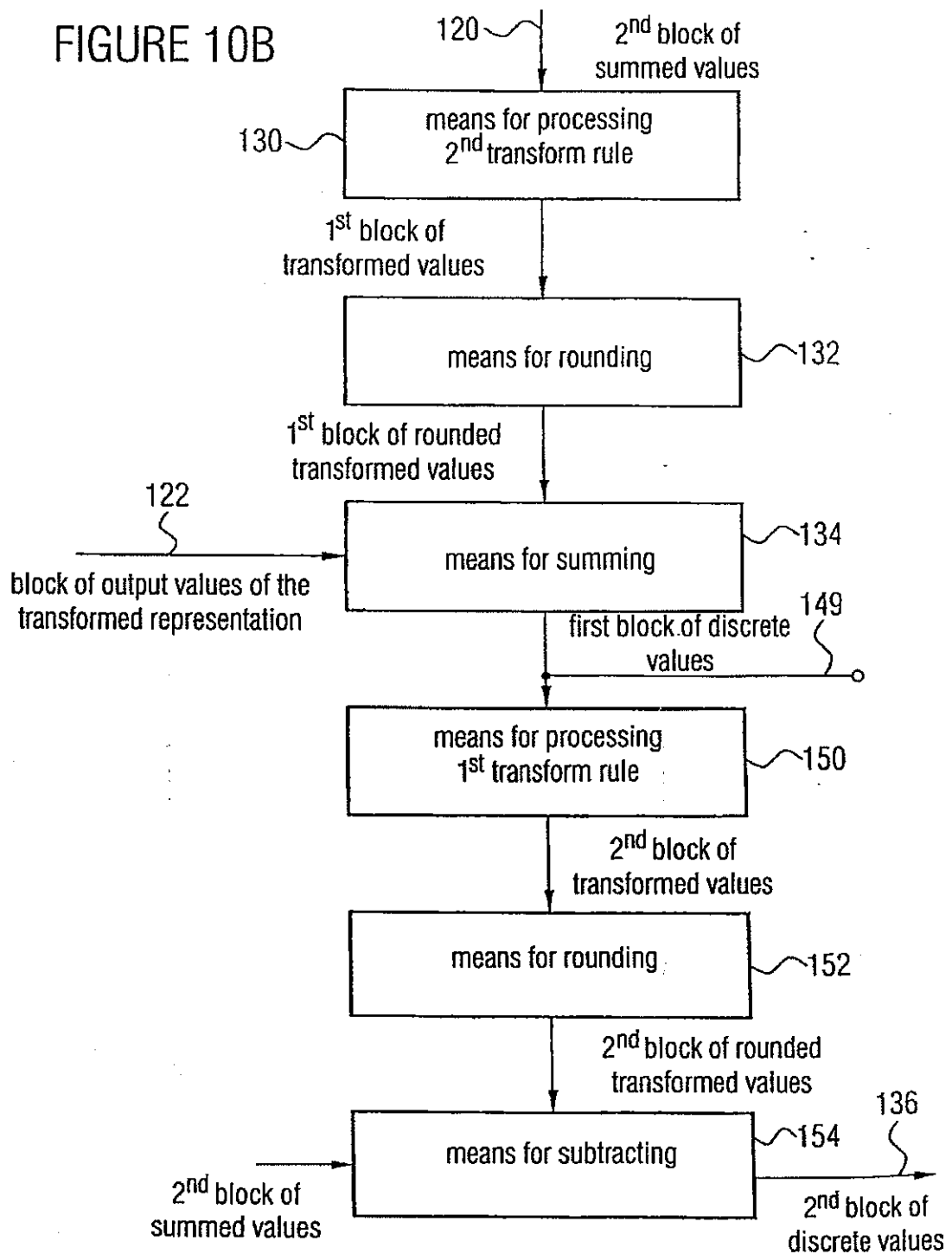


FIGURE 10C
(converting to transformed representation)

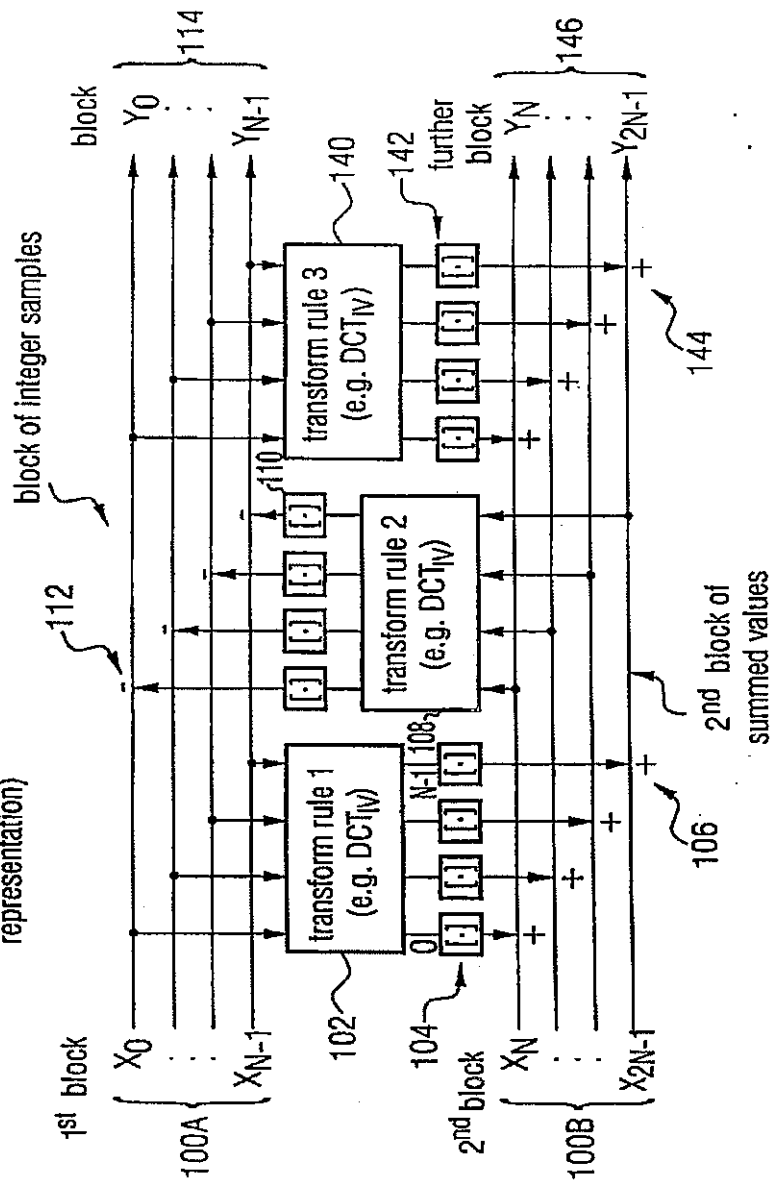


FIGURE 11
(inverse conversion of the transformed representation)

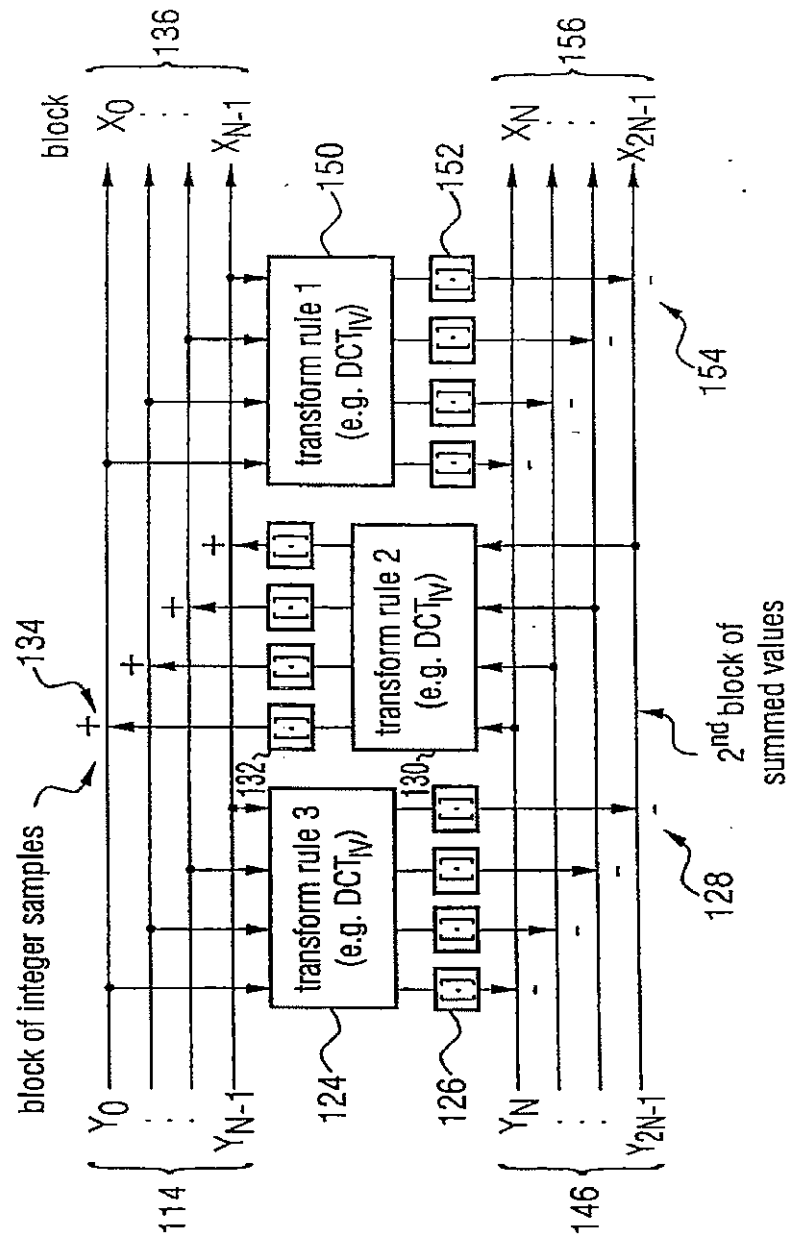


FIGURE 12

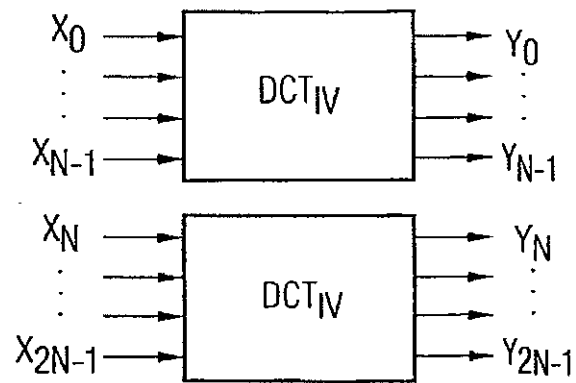


FIGURE 13

lifting step with transform matrix in converting

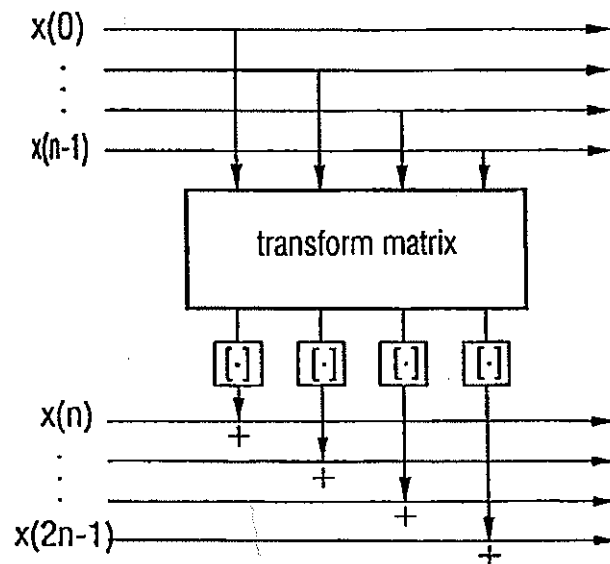


FIGURE 14

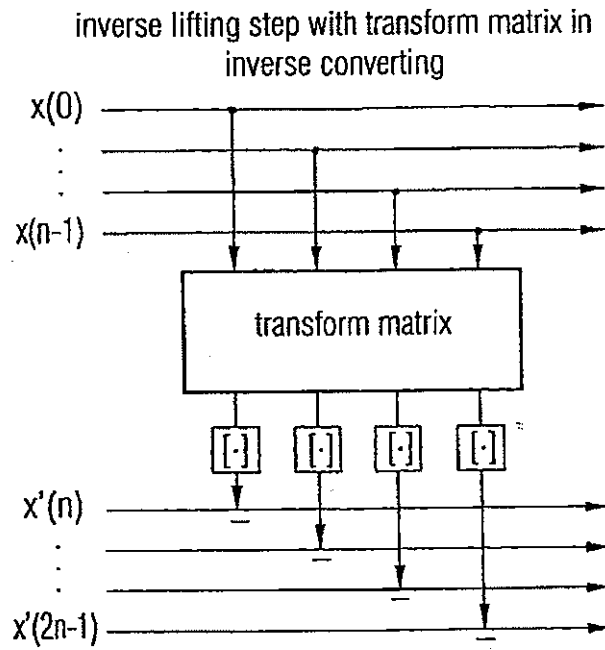
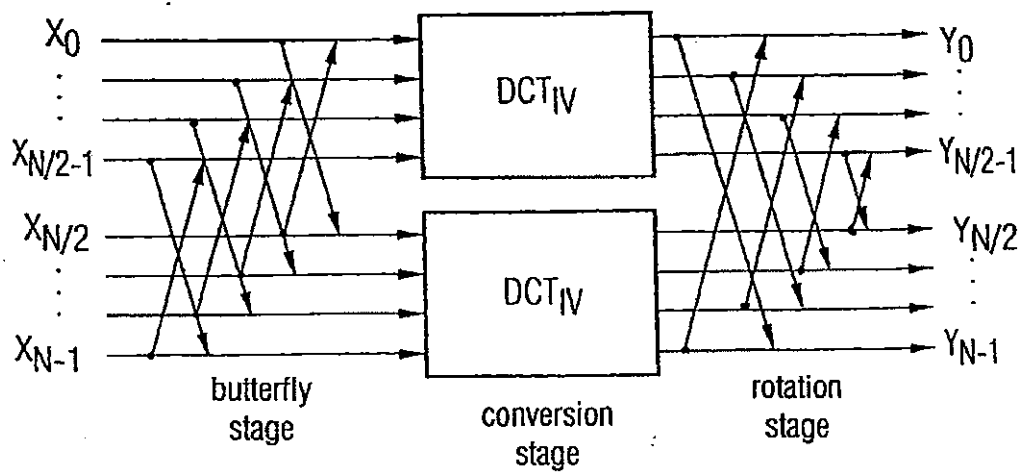


FIGURE 15



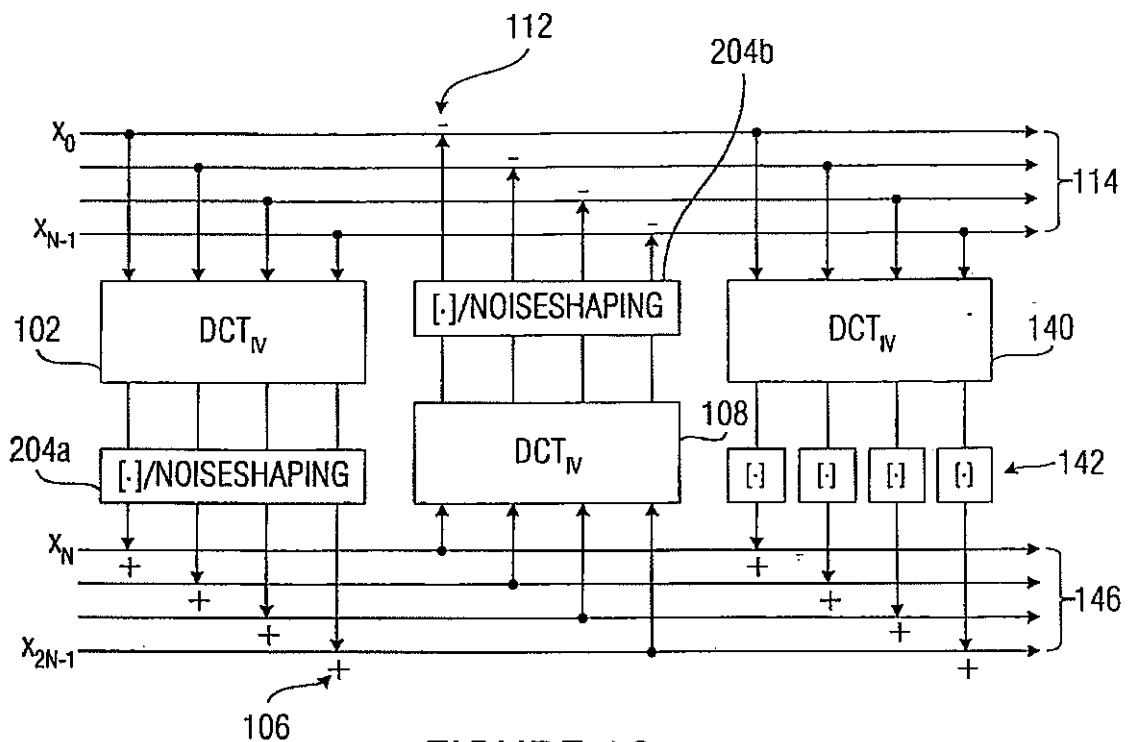


FIGURE 16

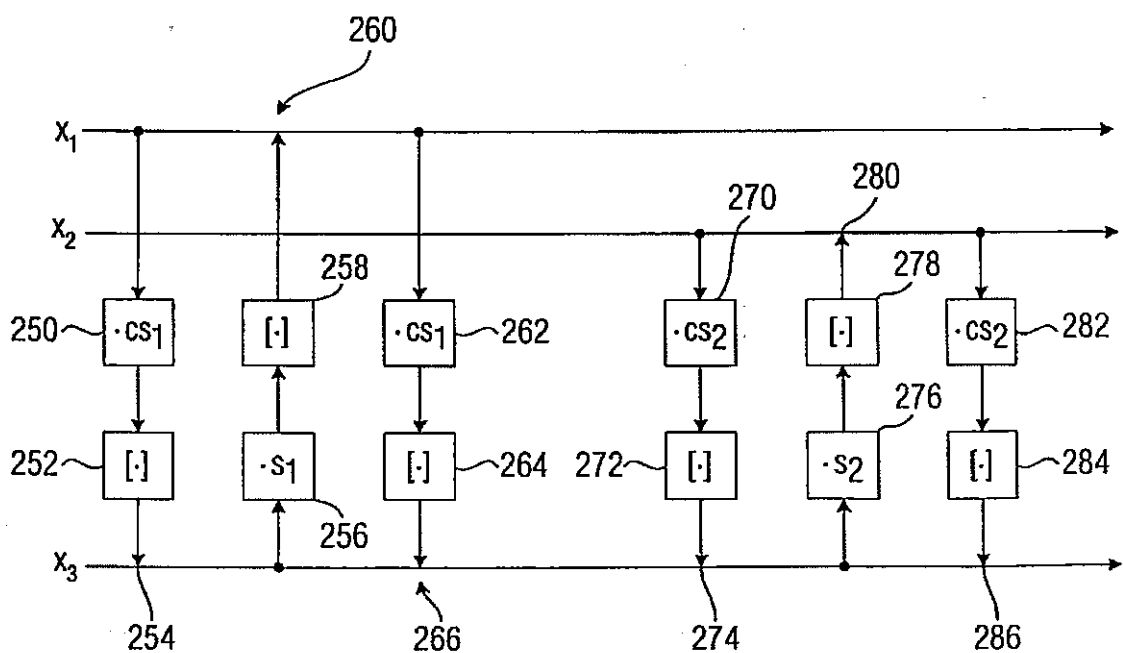


FIGURE 17

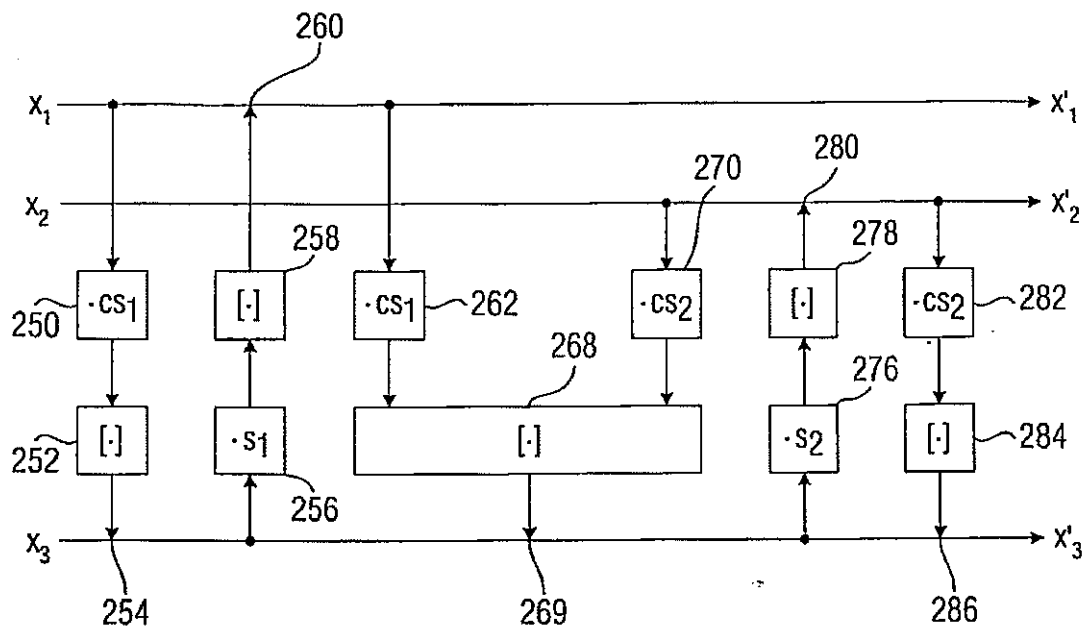


FIGURE 18

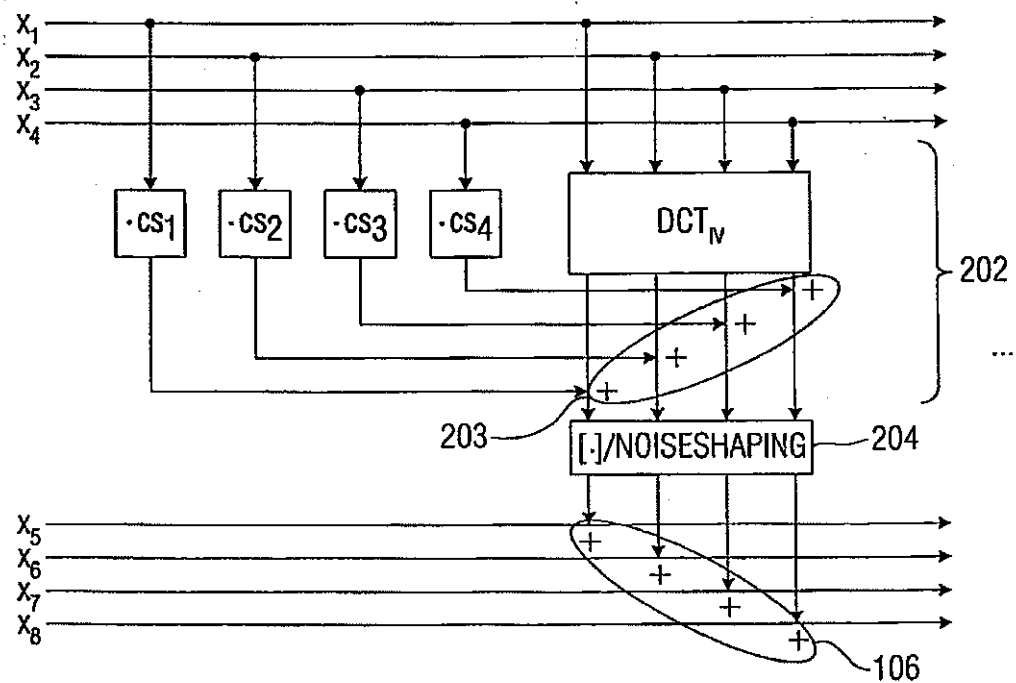


FIGURE 19