

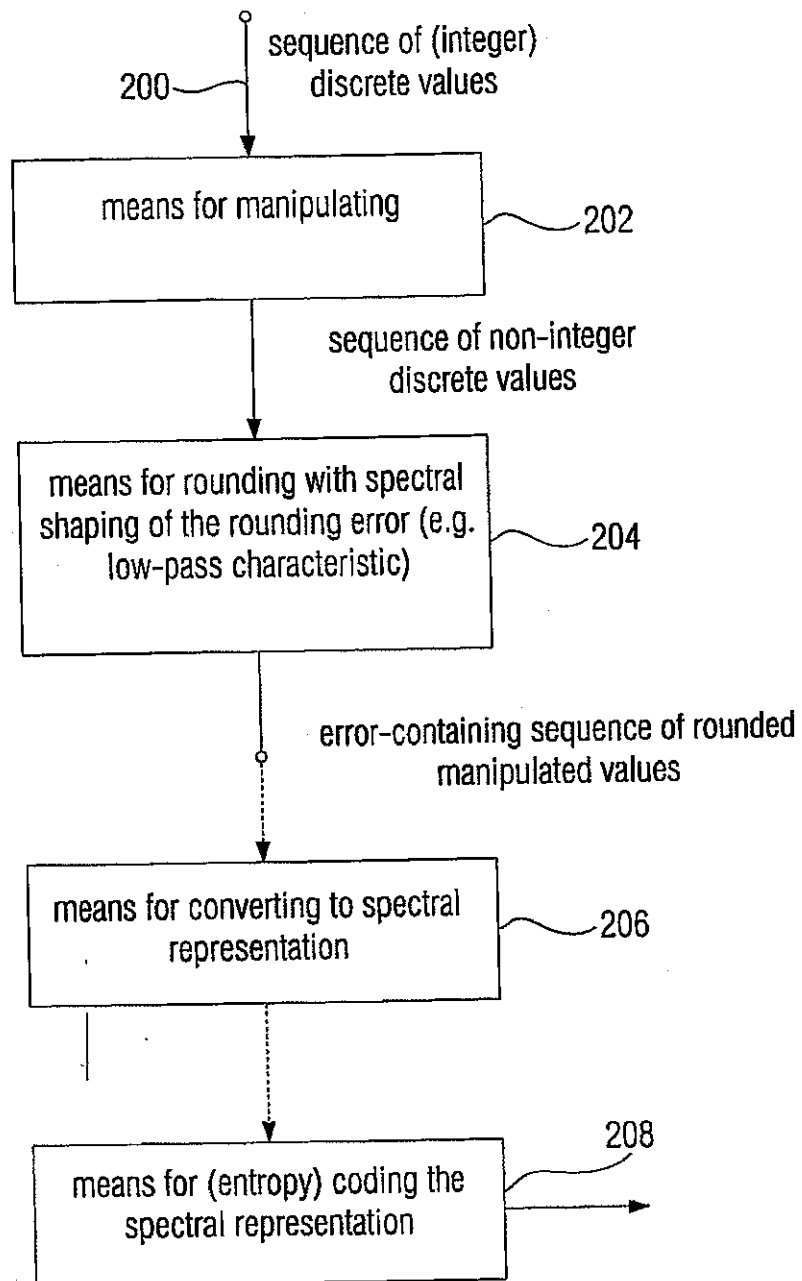


FIGURE 1

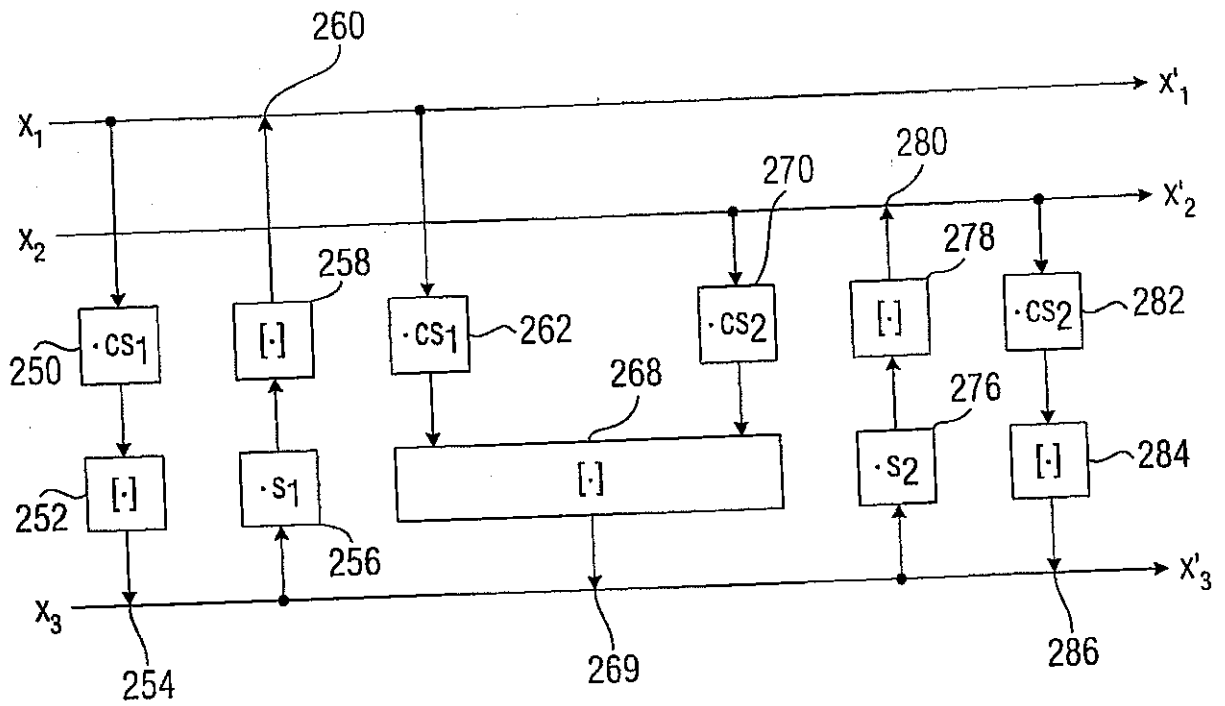


FIGURE 18

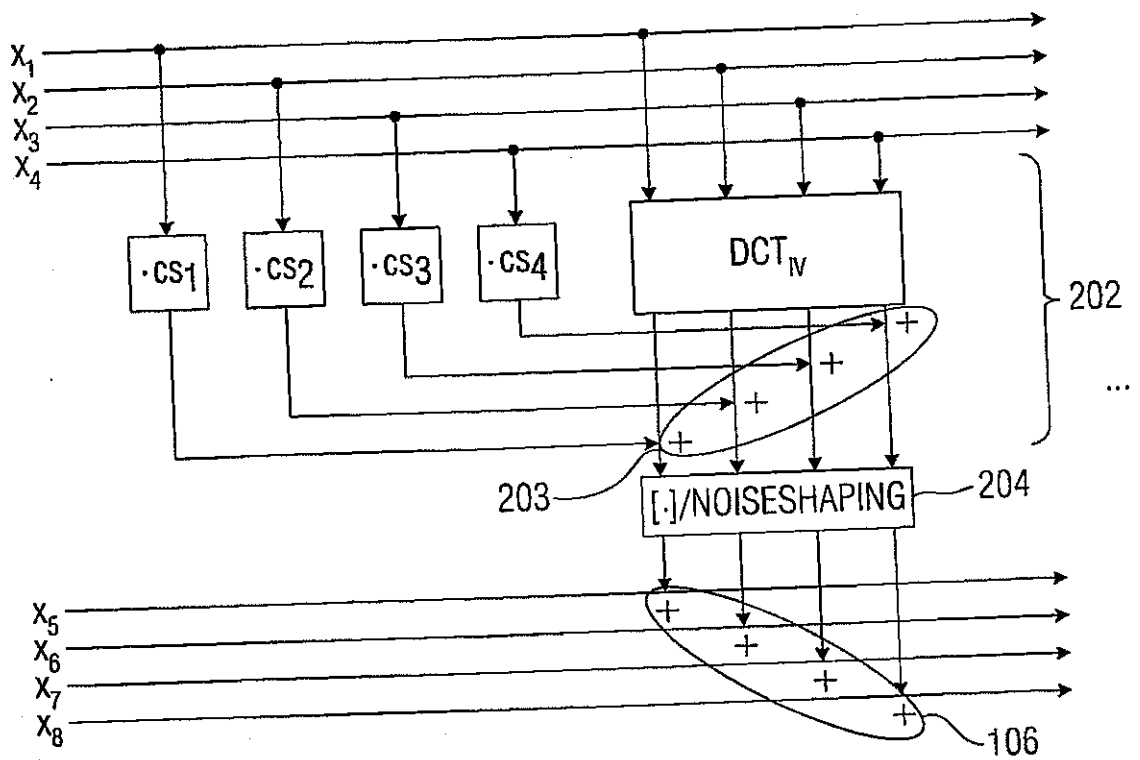


FIGURE 19

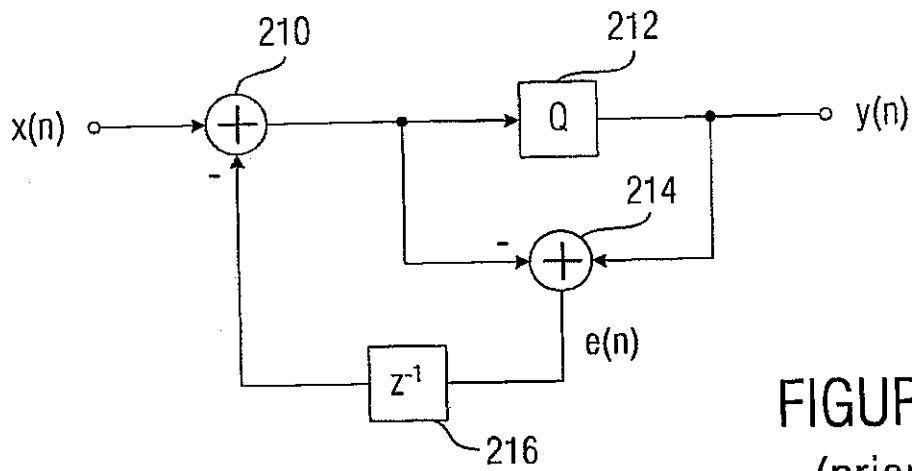
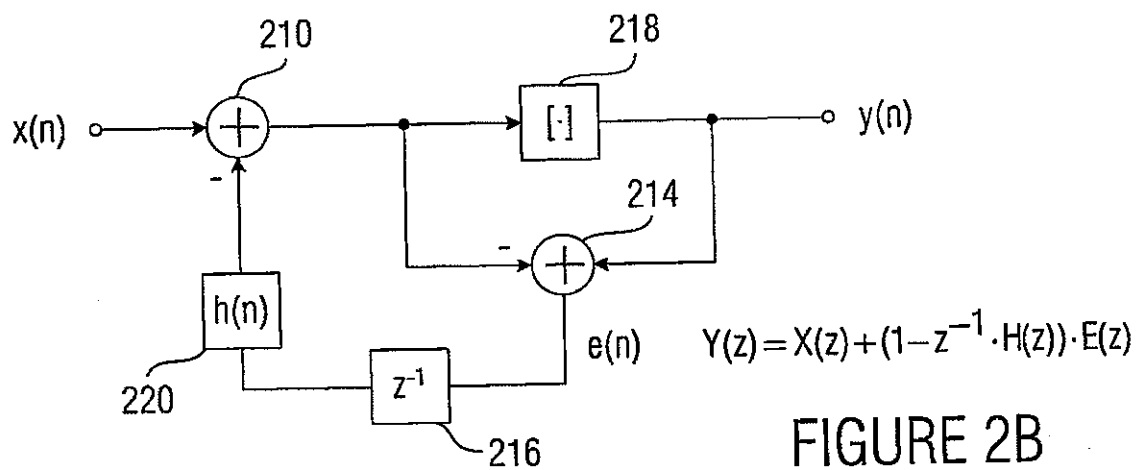
FIGURE 2A
(prior art)

FIGURE 2B

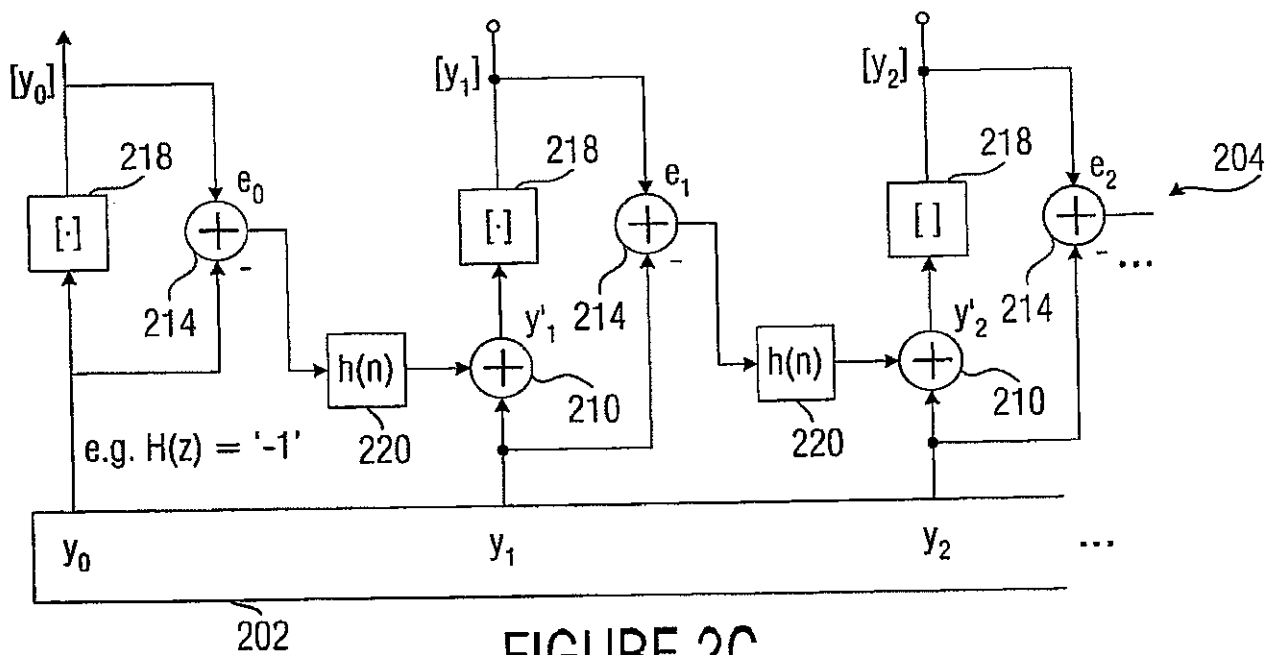


FIGURE 2C

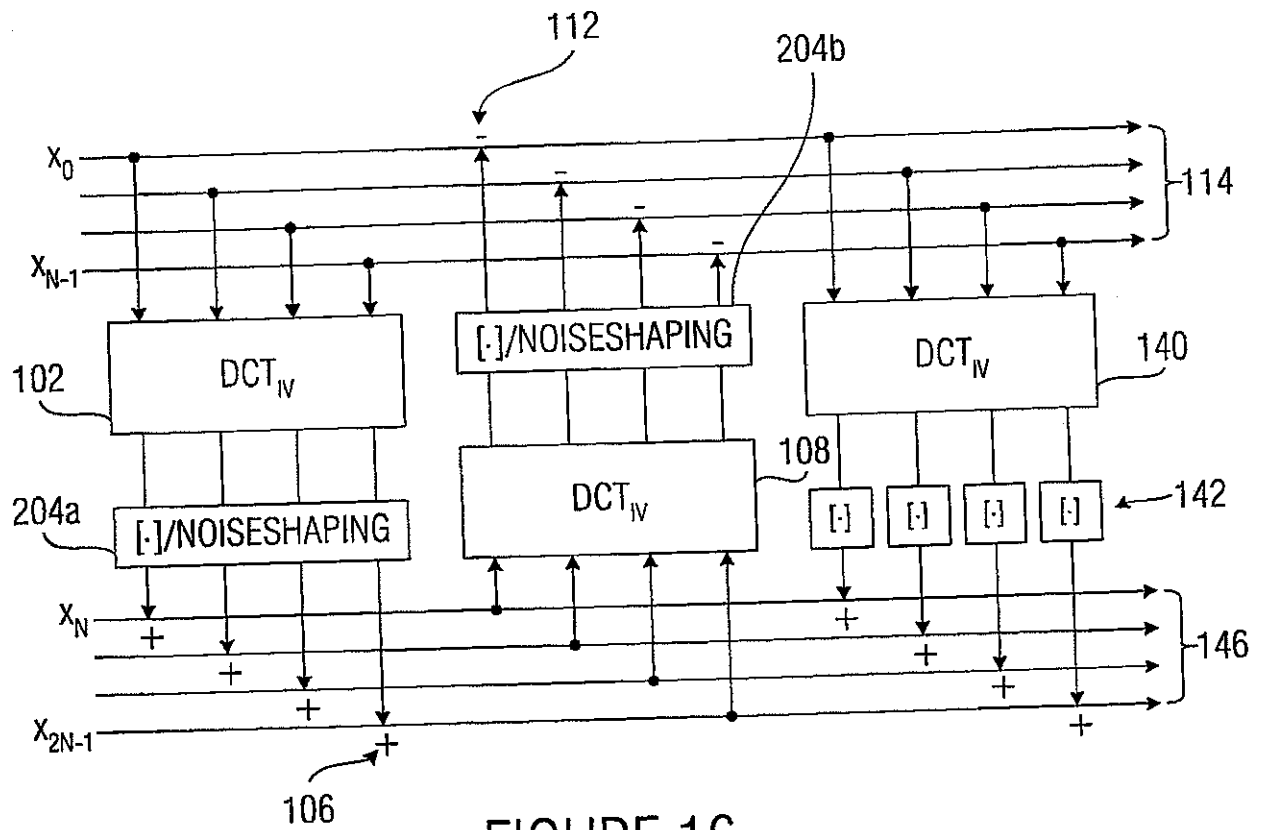


FIGURE 16

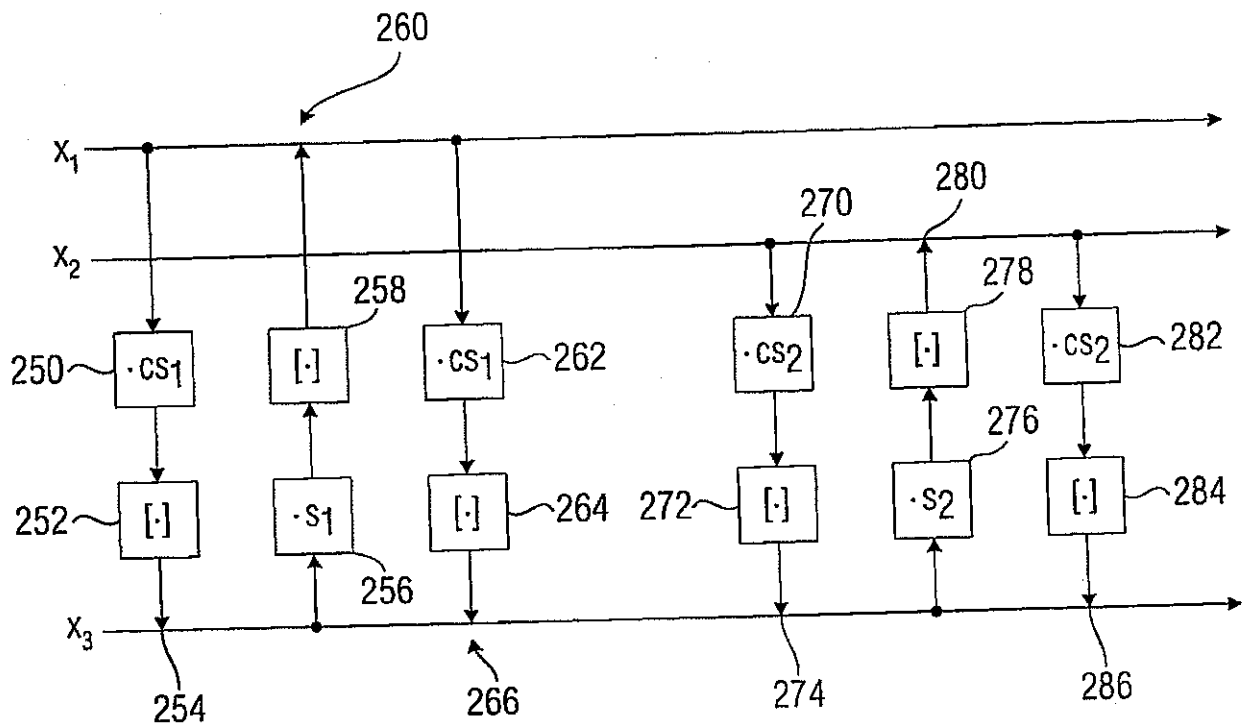


FIGURE 17

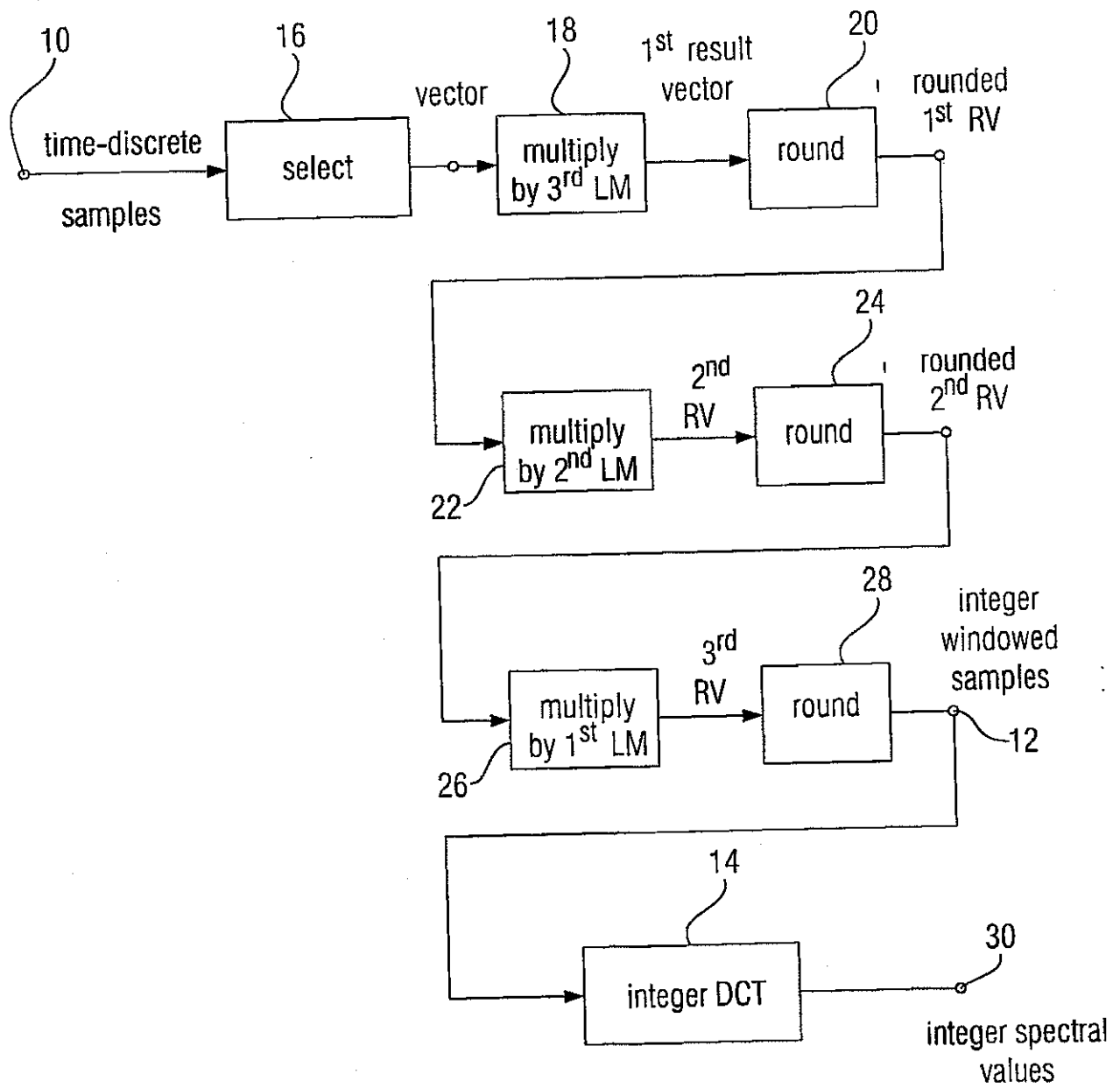


FIGURE 3

FIGURE 14

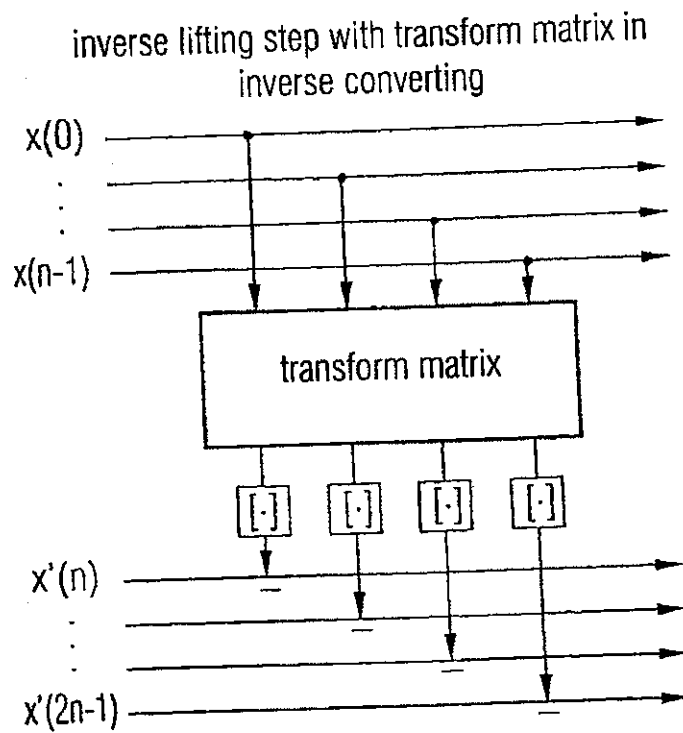


FIGURE 15

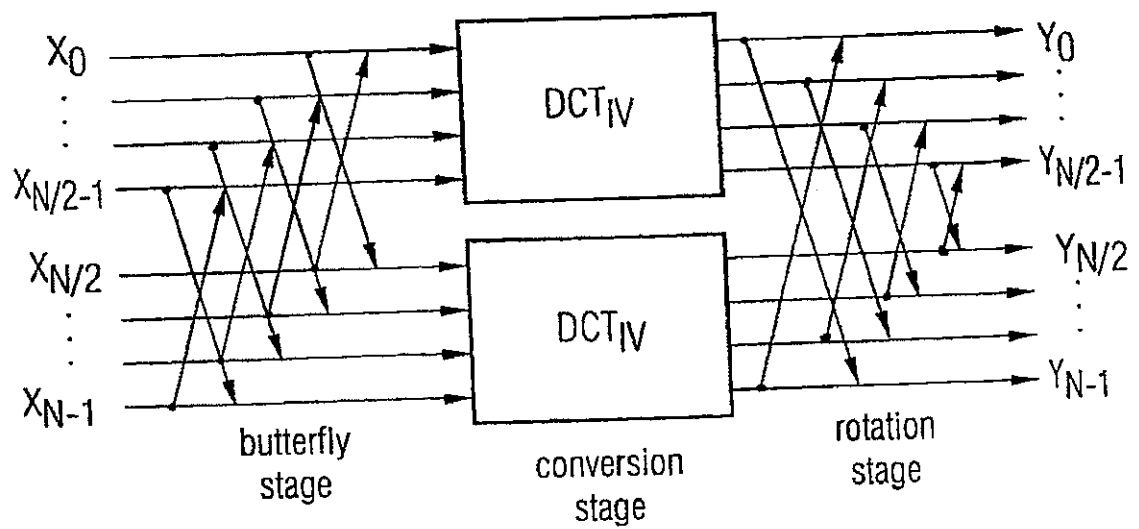


FIGURE 4

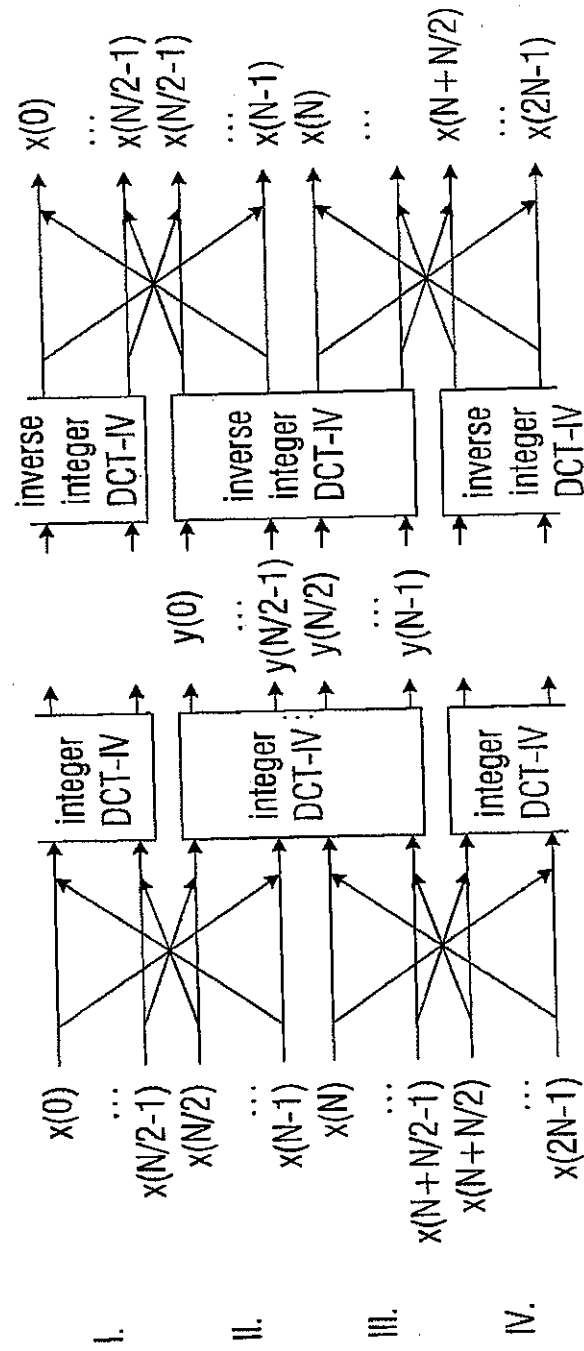


FIGURE 12

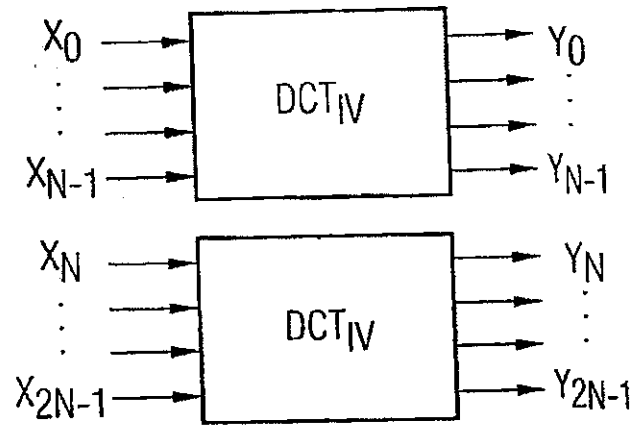


FIGURE 13

lifting step with transform matrix in converting

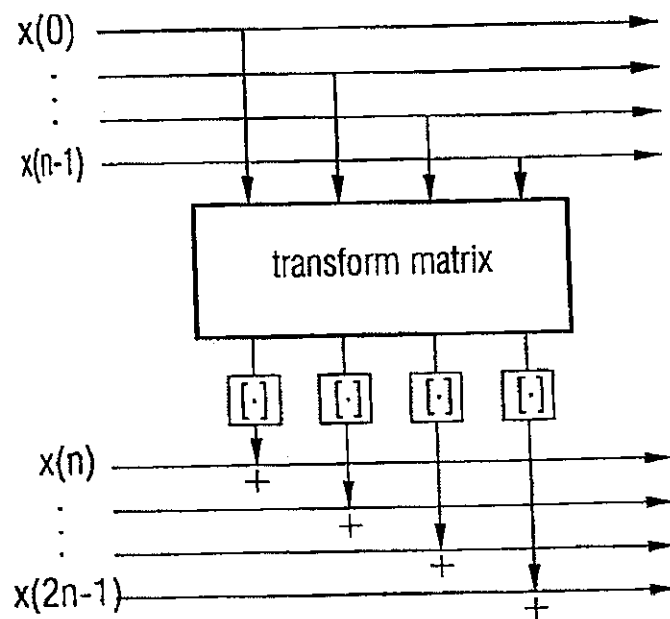


FIGURE 5

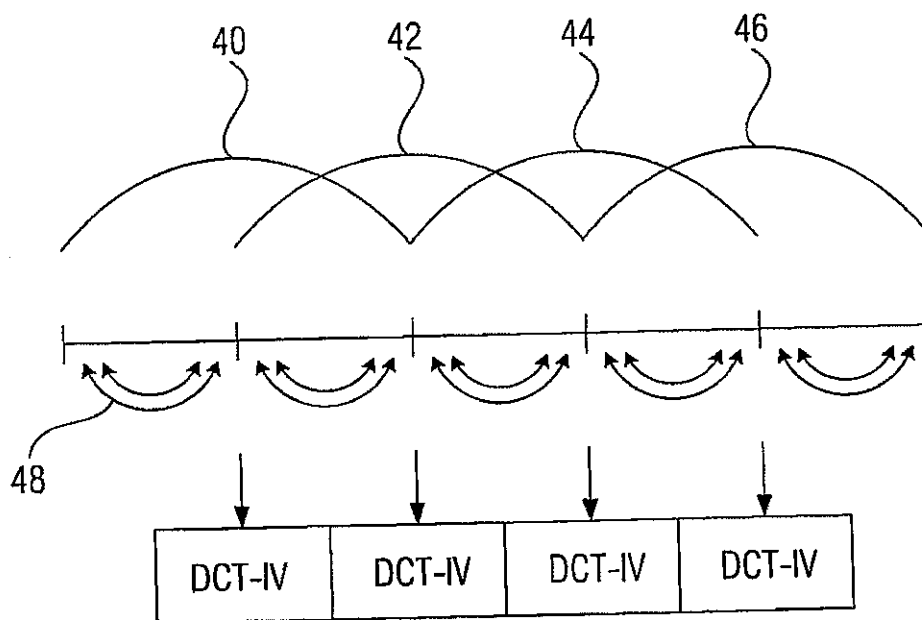


FIGURE 11
(inverse conversion of the transformed representation)

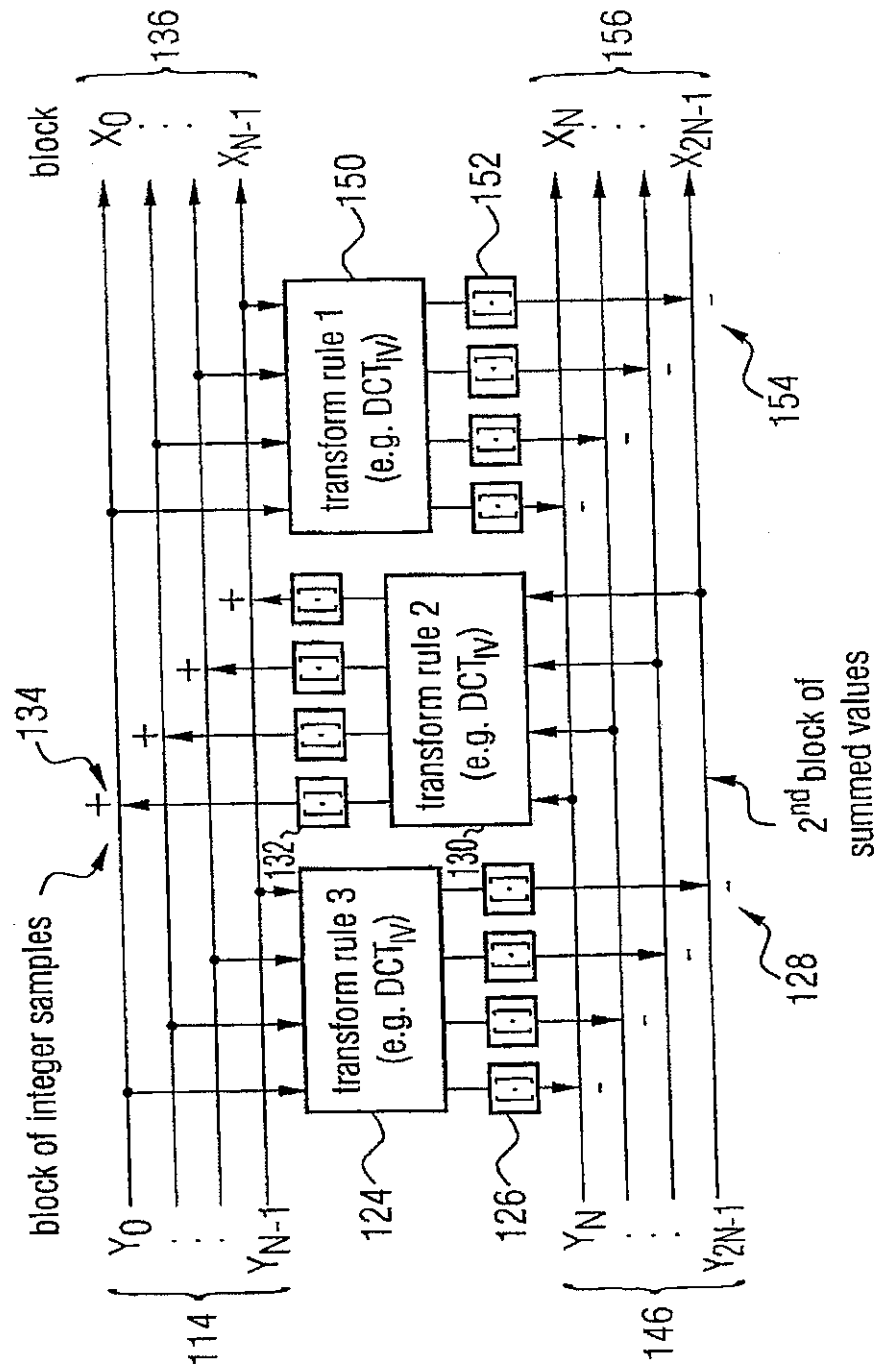


FIGURE 6A

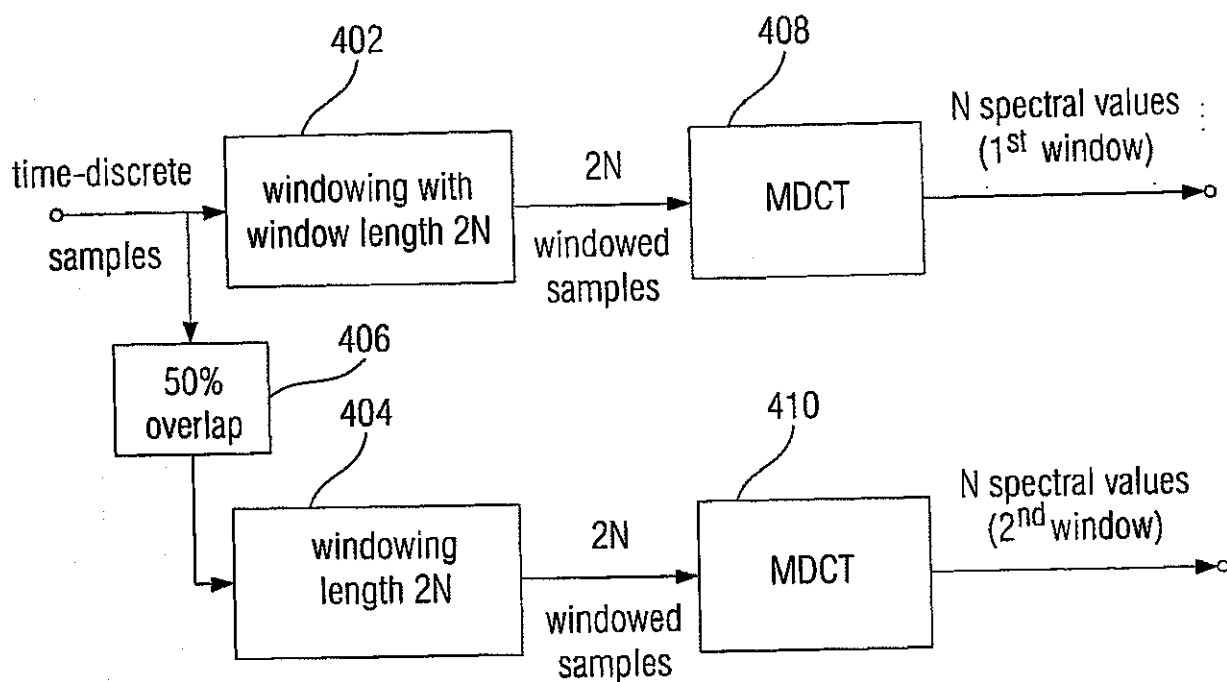
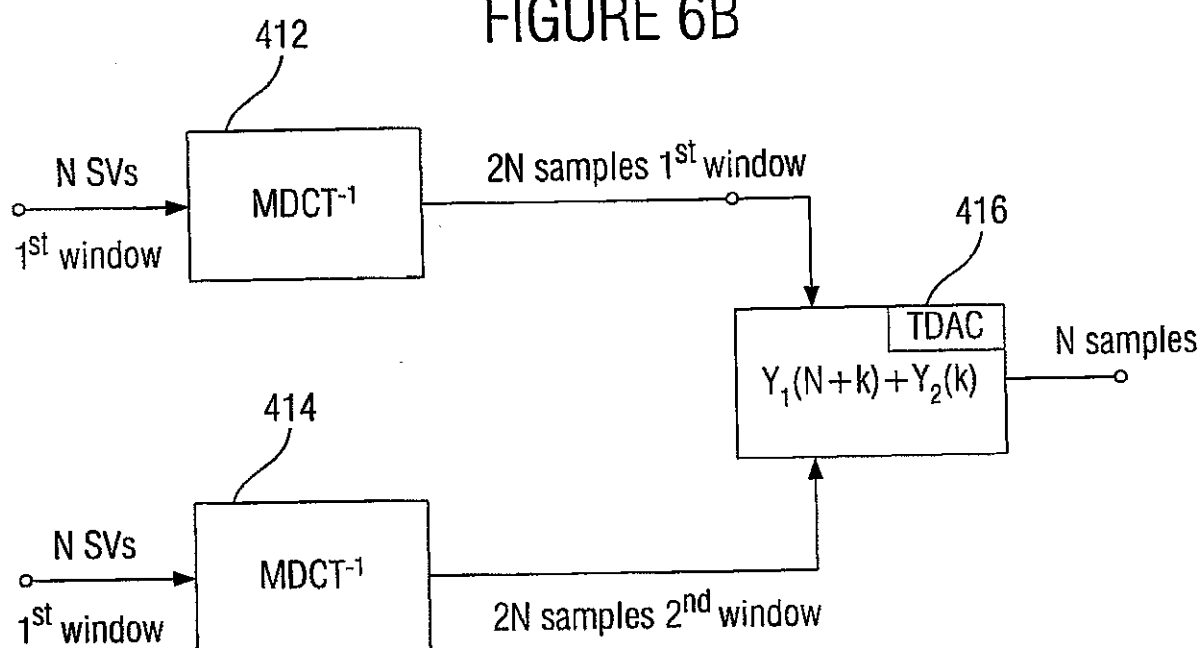
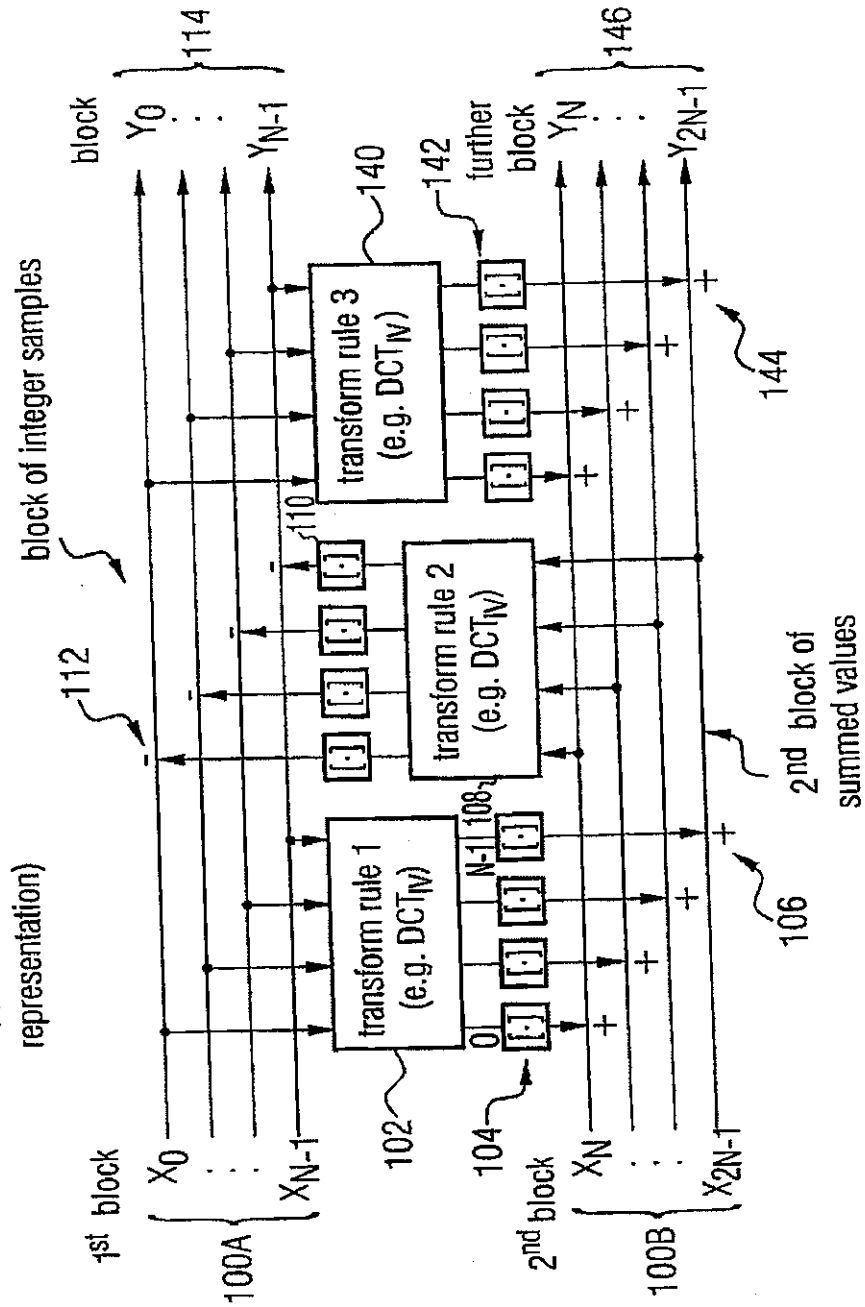


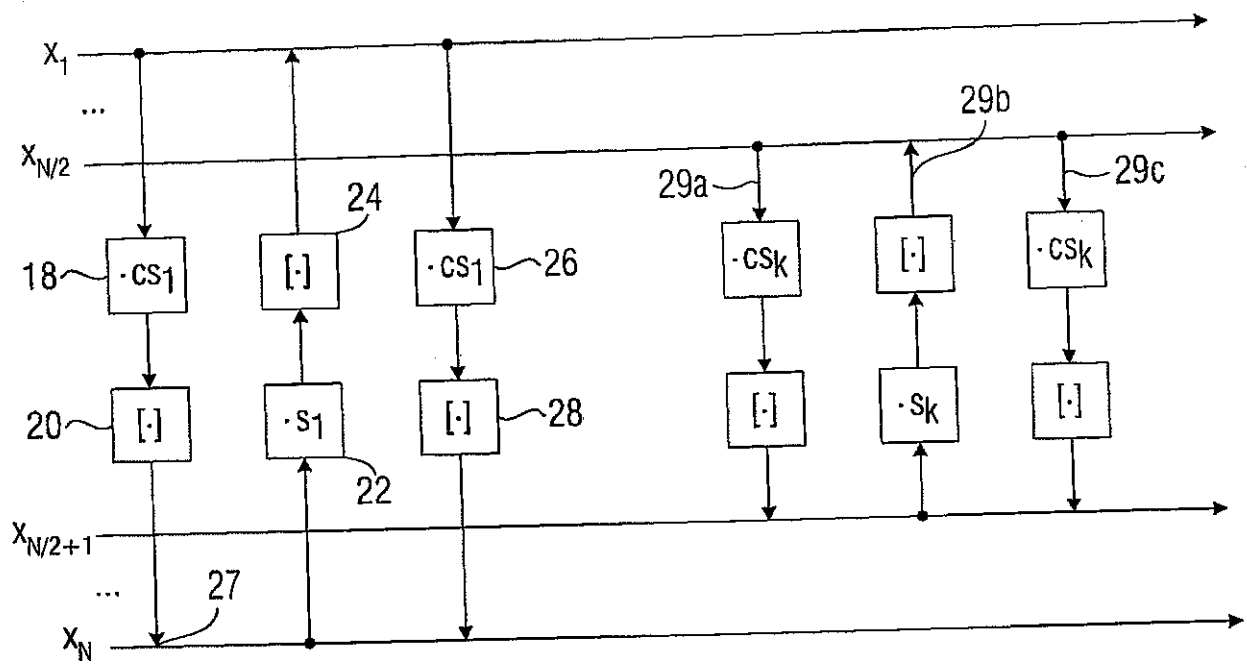
FIGURE 6B



(converting to
transformed
representation)

FIGURE 10C





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

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

FIGURE 7
(prior art)

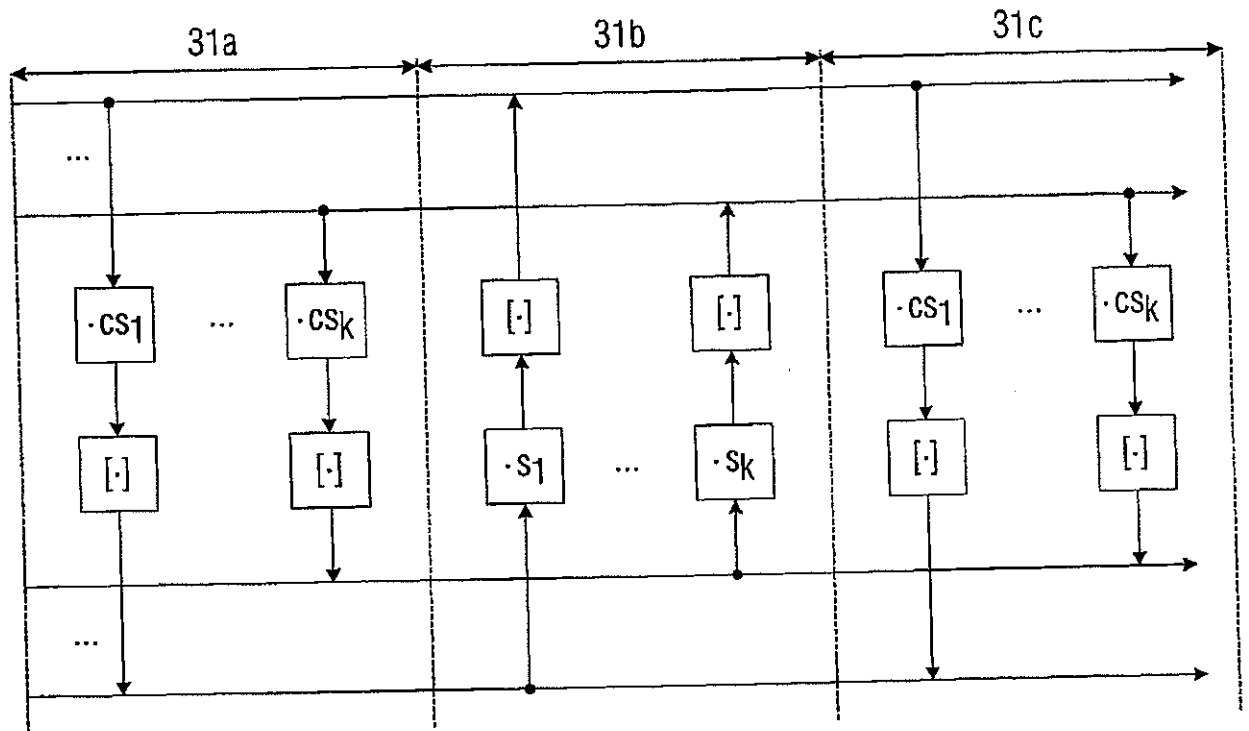
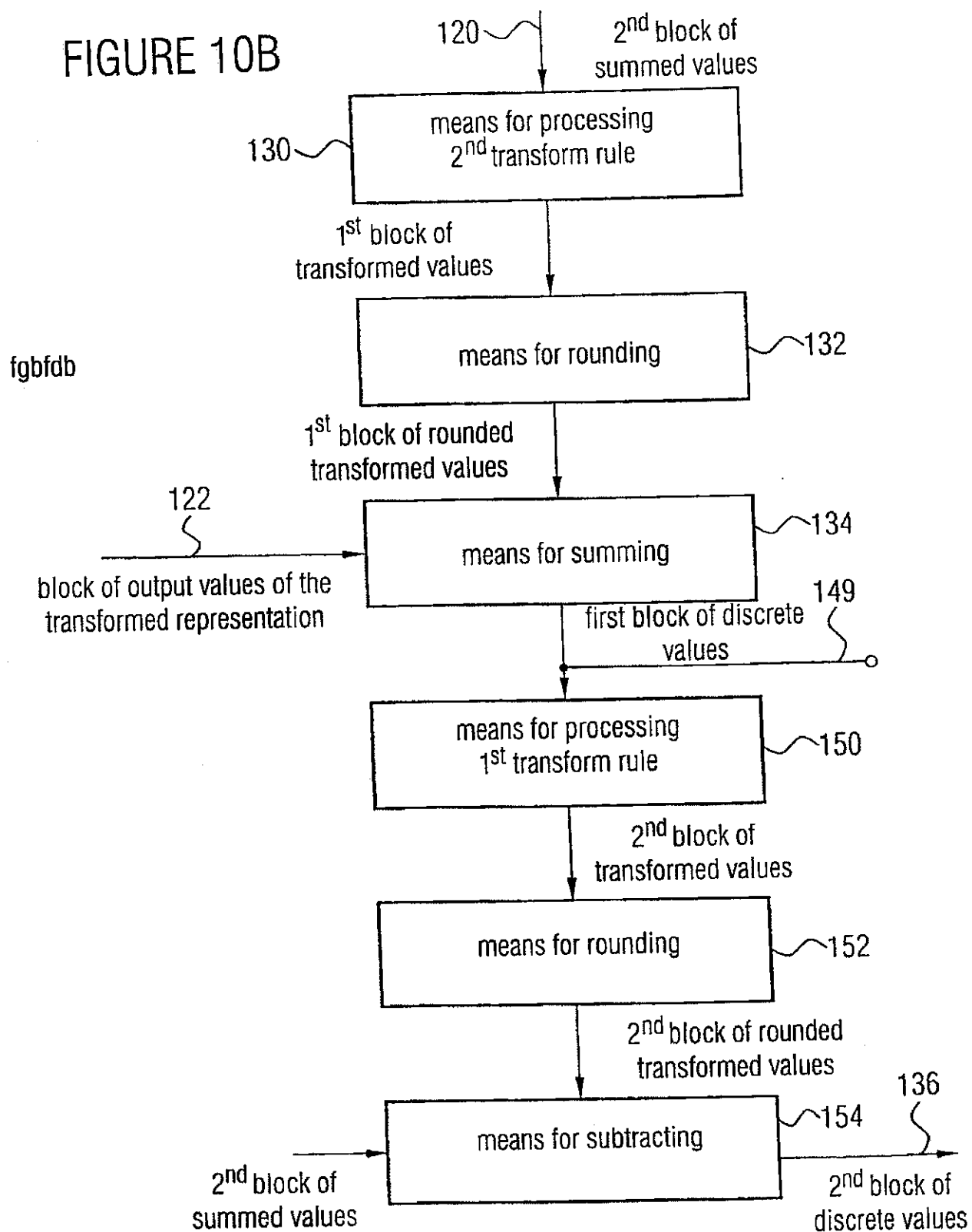


FIGURE 8
(prior art)

windowing with lifting
(resorted)

FIGURE 10B



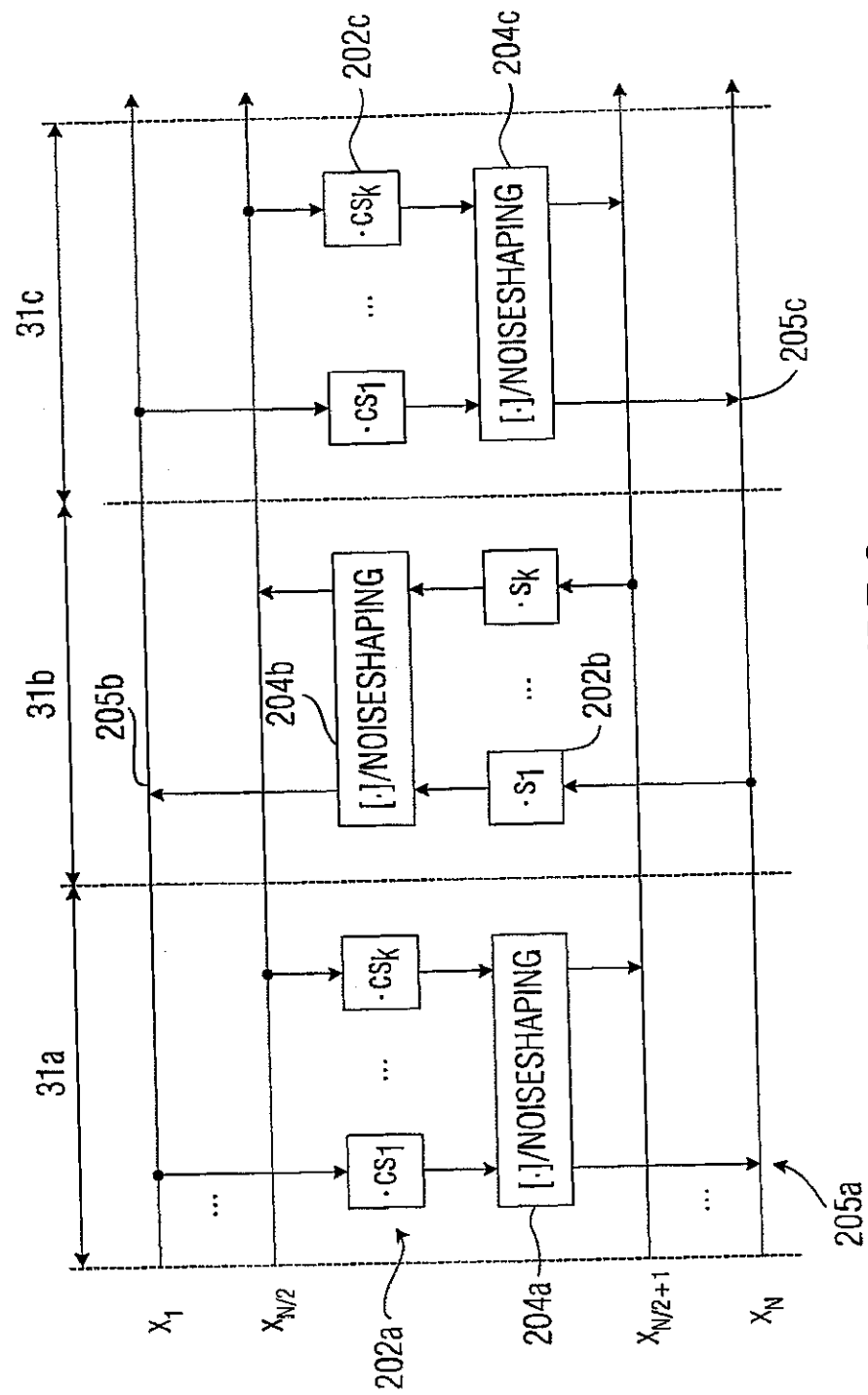


FIGURE 9

FIGURE 10A

