

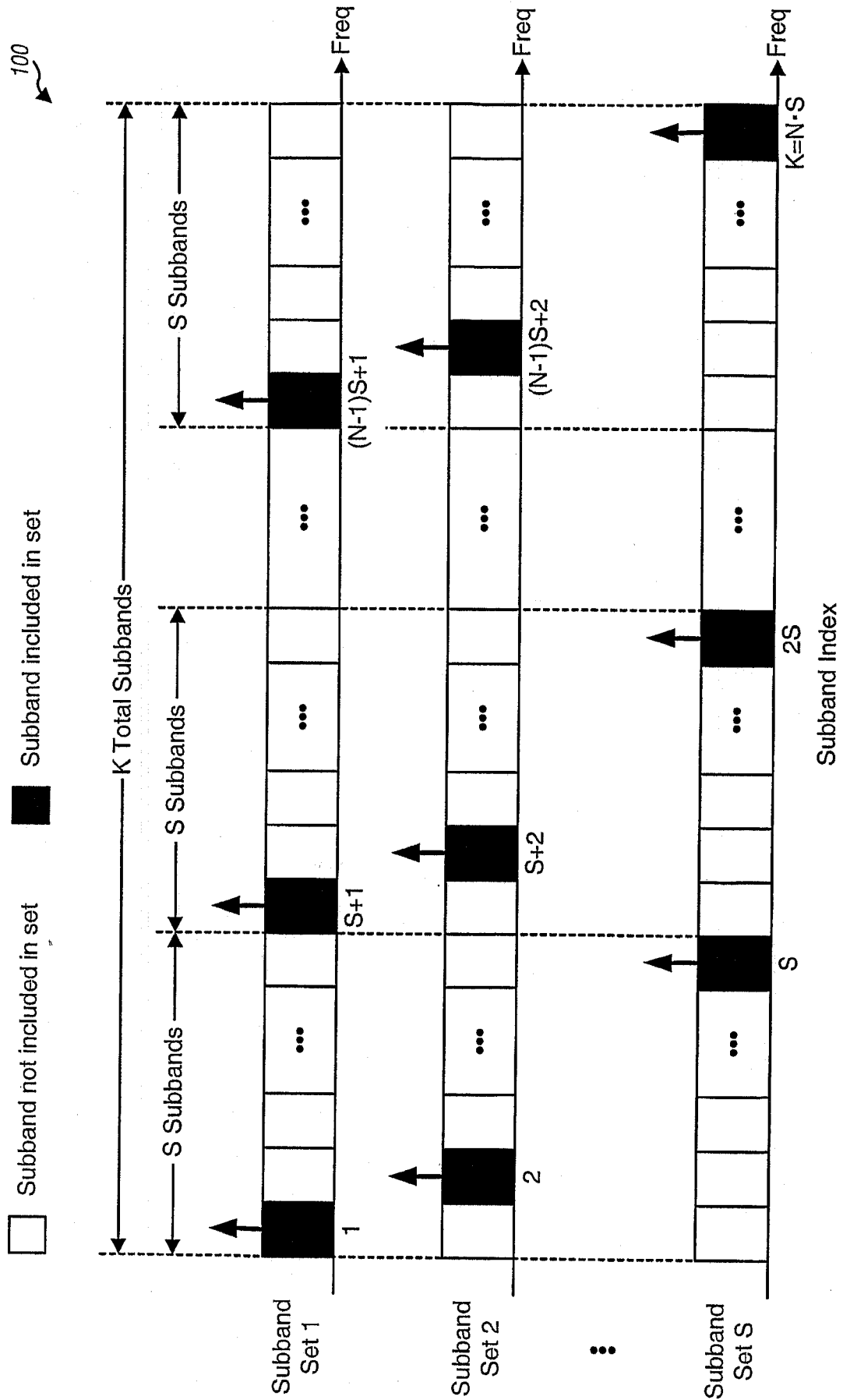


FIG. 1

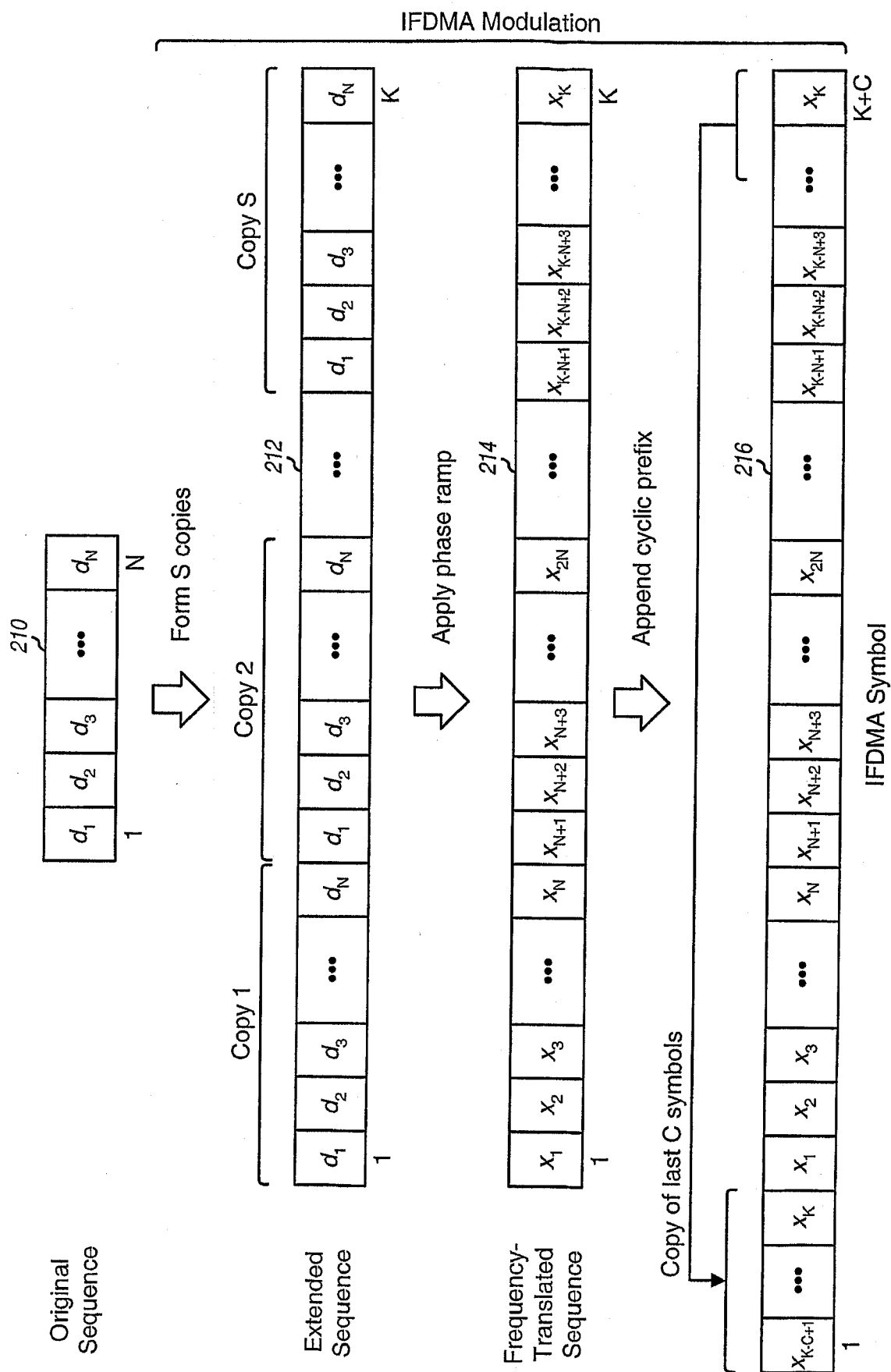


FIG. 2

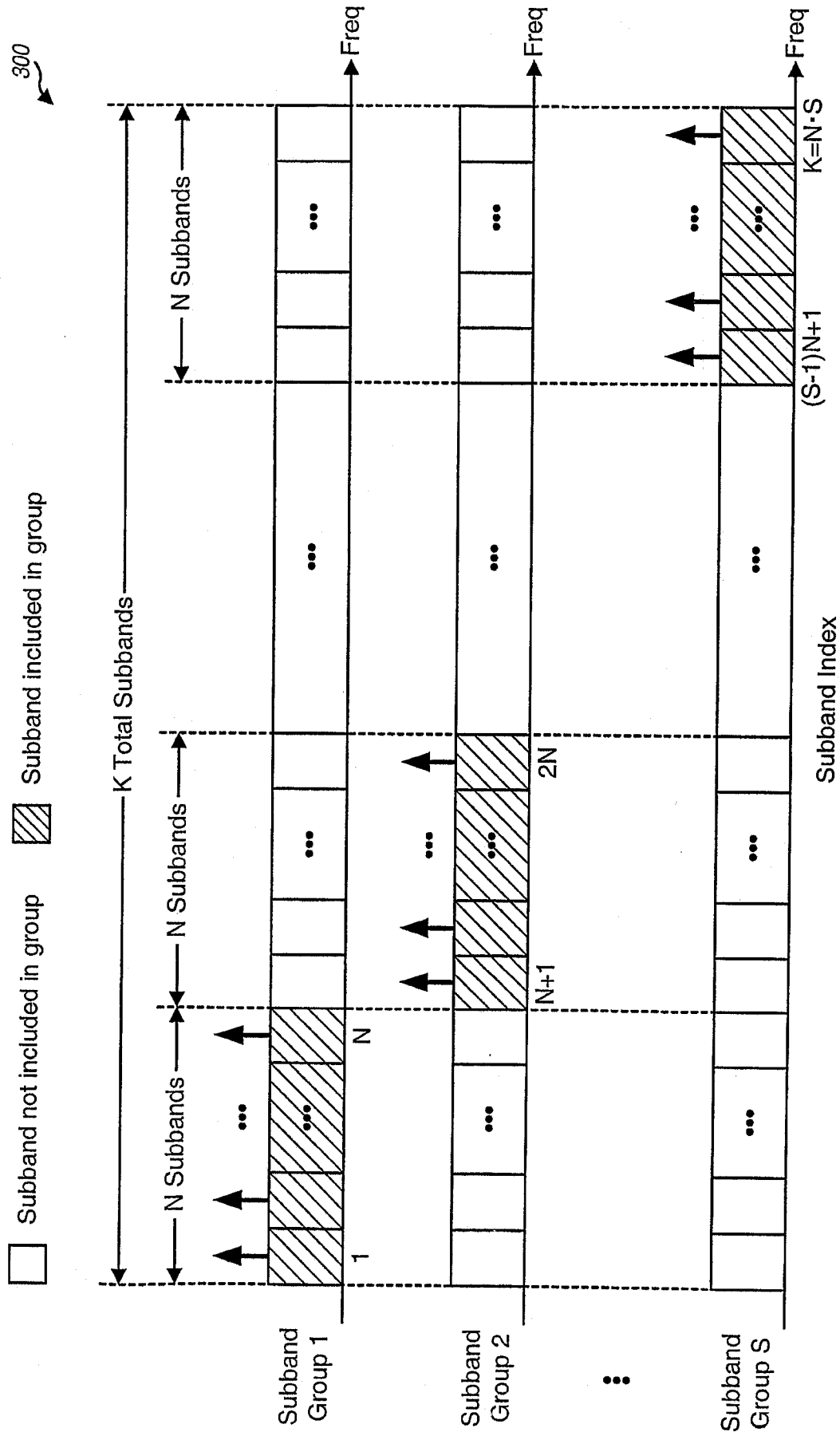


FIG. 3

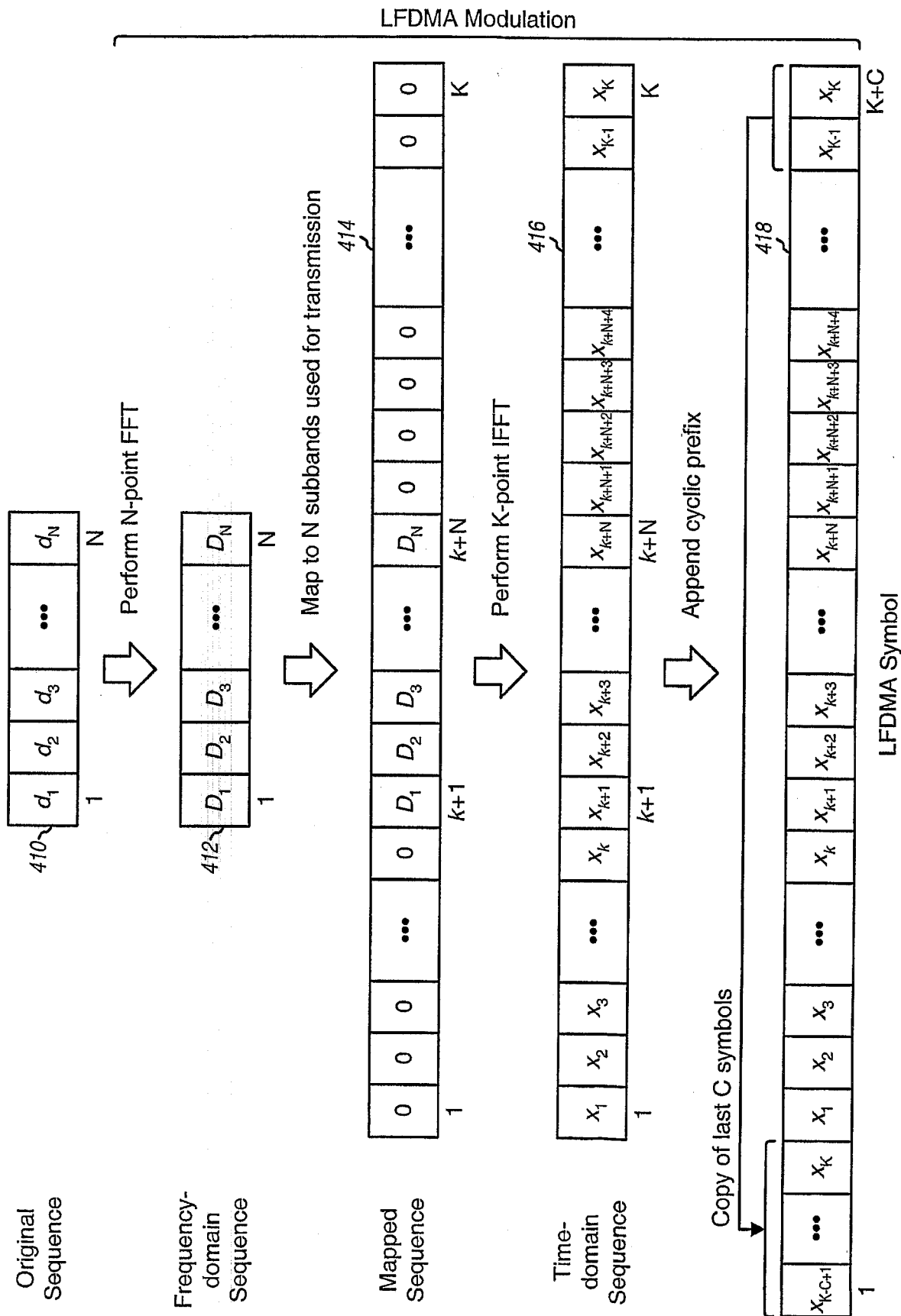


FIG. 4

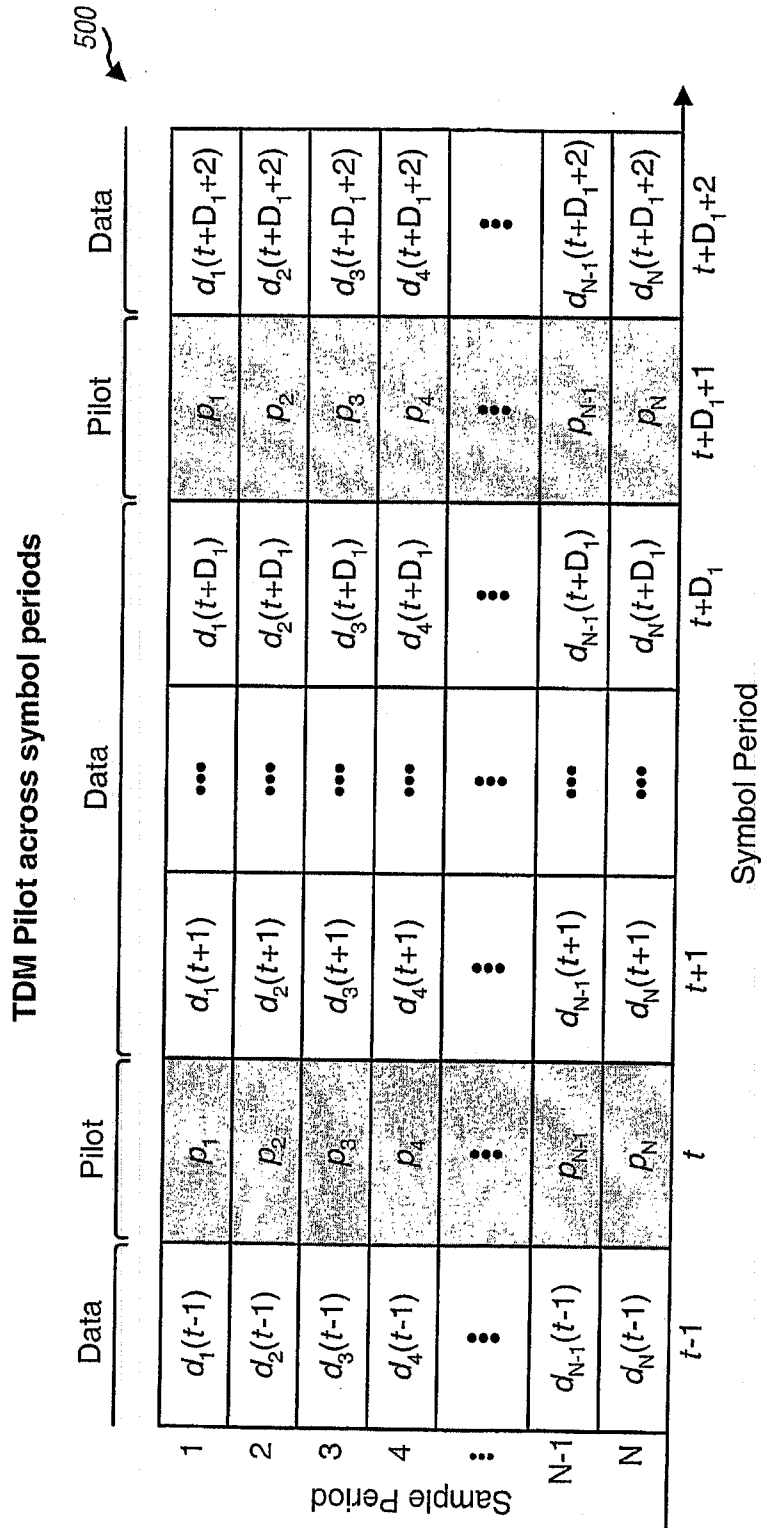


FIG. 5A

TDM Pilot across sample periods

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1	$d_1(t)$	$d_1(t+1)$	$d_1(t+2)$	$d_1(t+3)$	Data
2	p_1	p_1	p_1	p_1	Pilot
3	$d_2(t)$	$d_2(t+1)$	$d_2(t+2)$	$d_2(t+3)$	Data
4	p_2	p_2	p_2	p_2	Pilot
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	
N-1	$d_{N/2}(t)$	$d_{N/2}(t+1)$	$d_{N/2}(t+2)$	$d_{N/2}(t+3)$	Data
N	$p_{N/2}$	$p_{N/2}$	$p_{N/2}$	$p_{N/2}$	Pilot
	t	$t+1$	$t+2$	$t+3$	

Sample Period

Symbol Period

FIG. 5B

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CDM Pilot across symbol periods

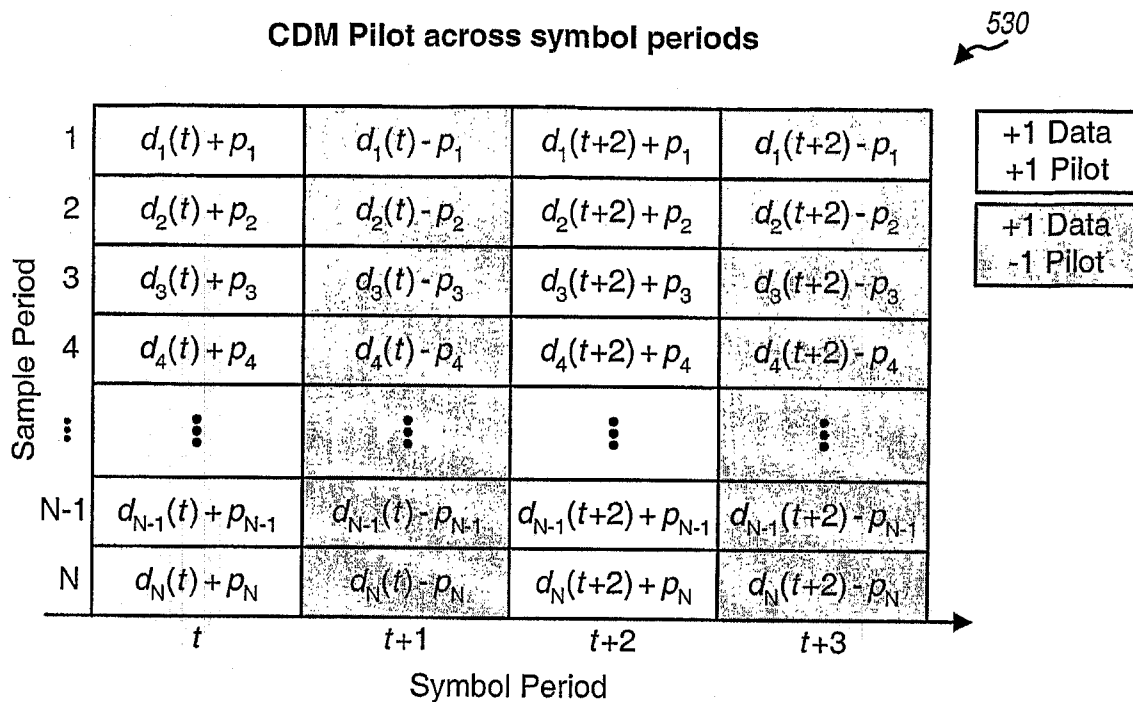


FIG. 5C

CDM Pilot across sample periods

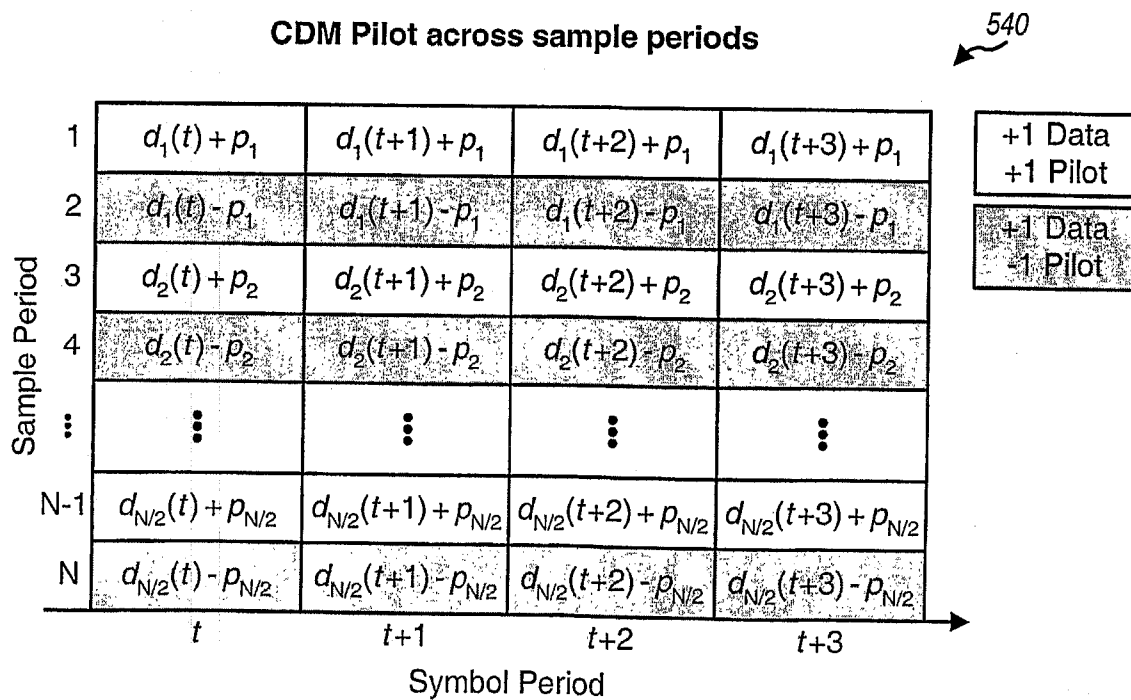


FIG. 5D

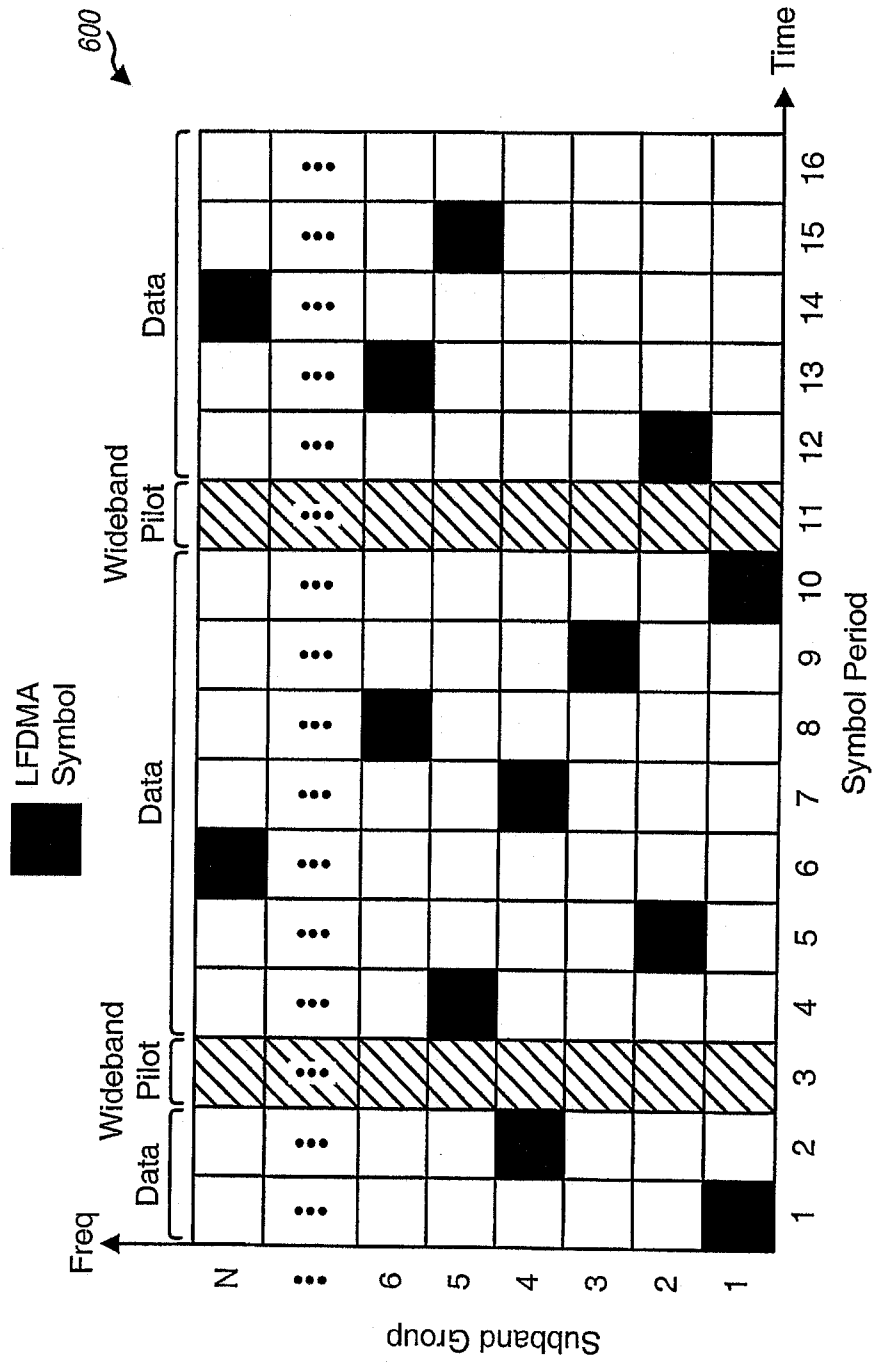


FIG. 6

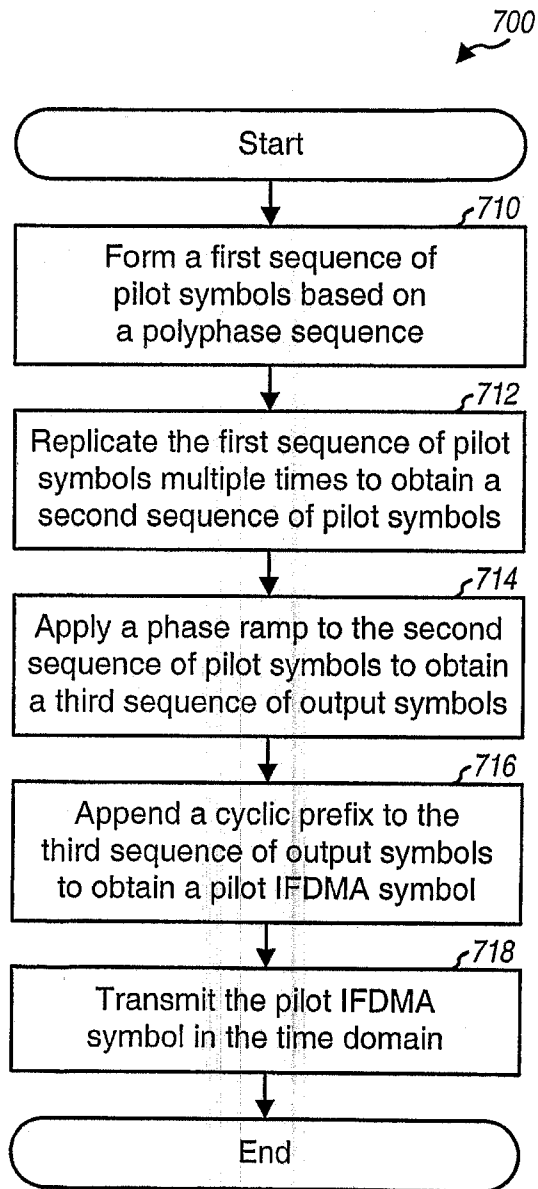


FIG. 7A

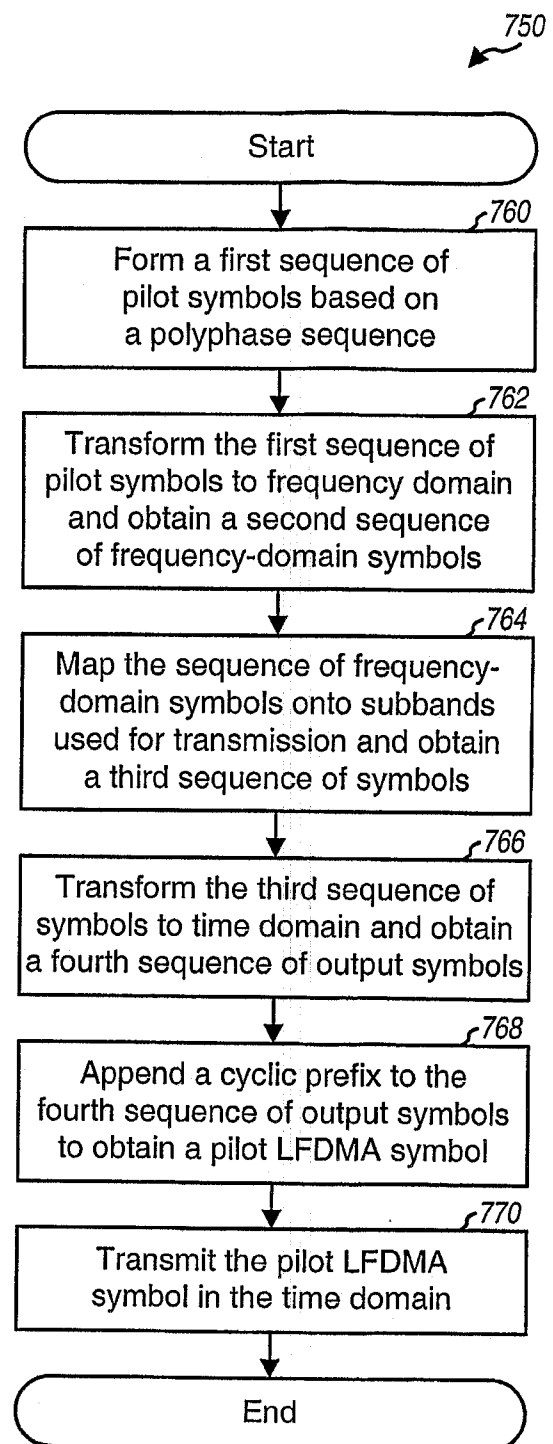


FIG. 7B

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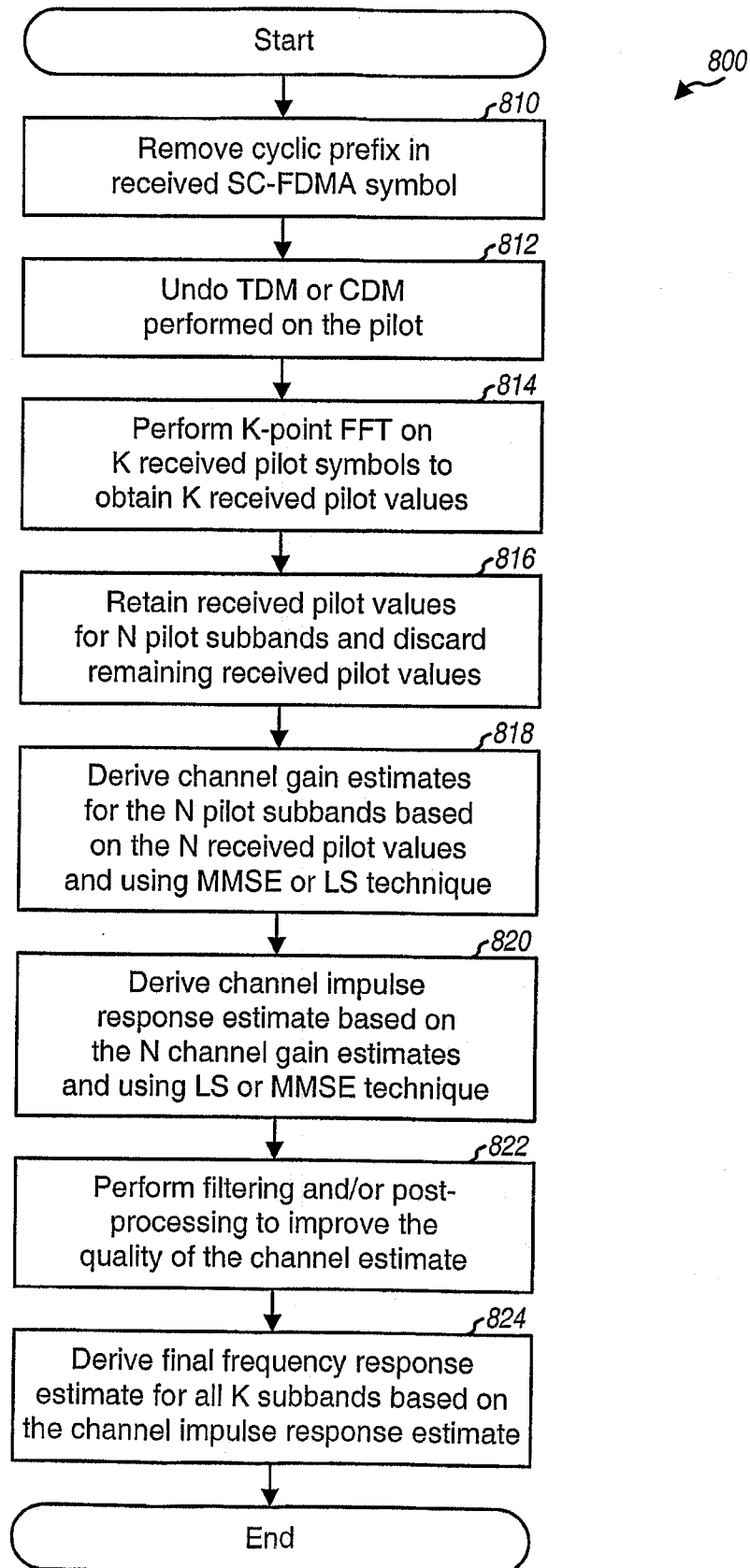


FIG. 8

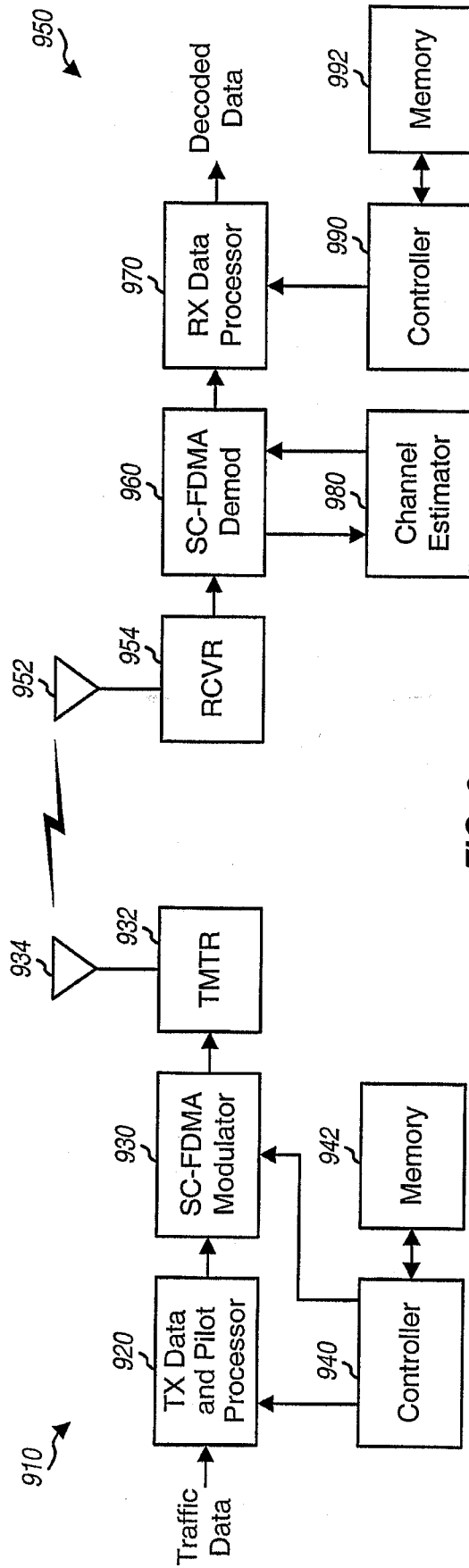


FIG. 9

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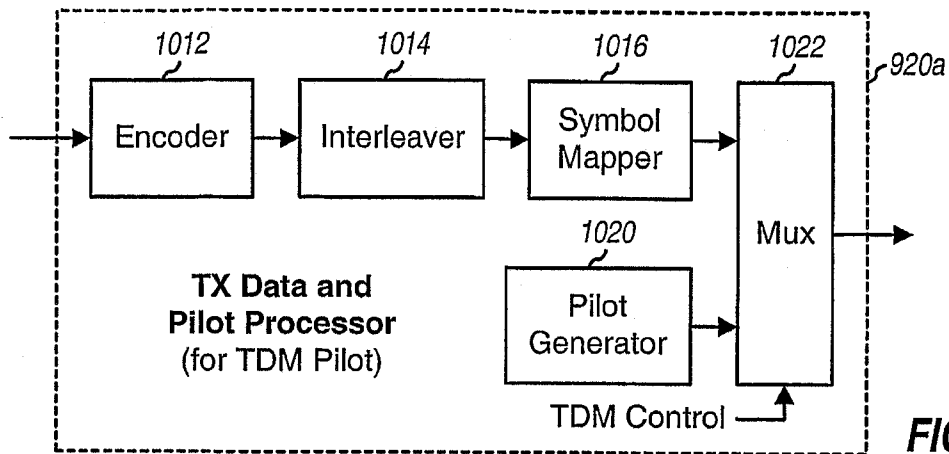


FIG. 10A

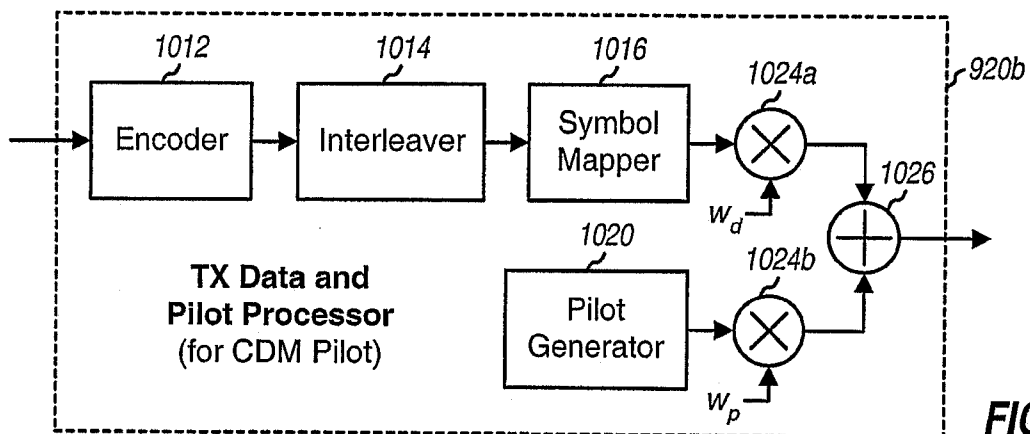


FIG. 10B

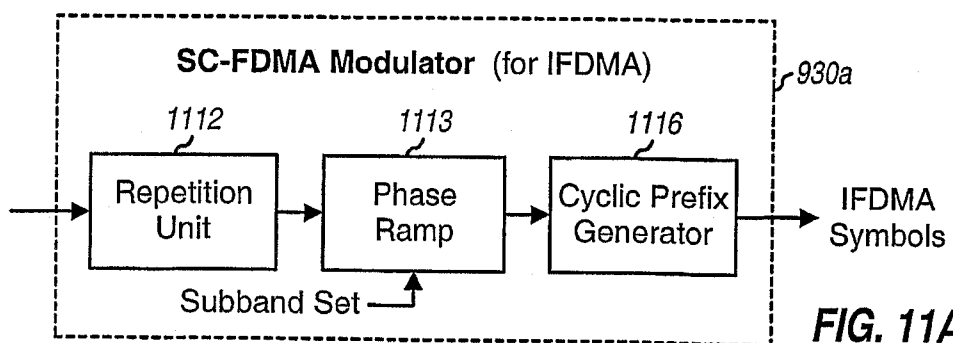


FIG. 11A

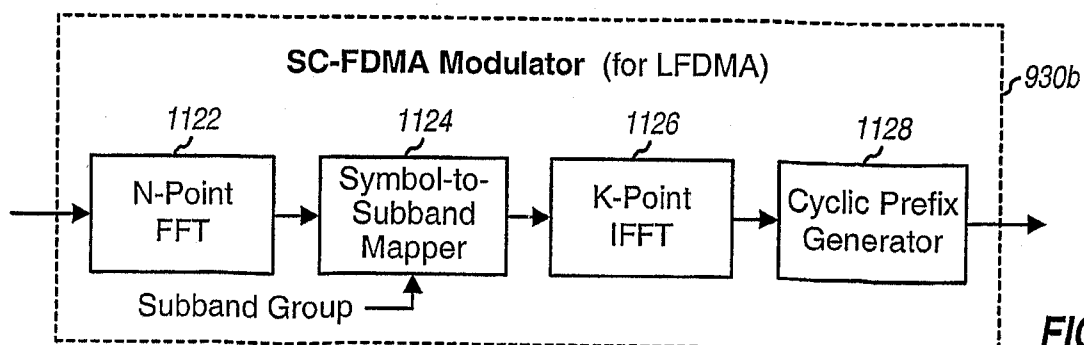


FIG. 11B

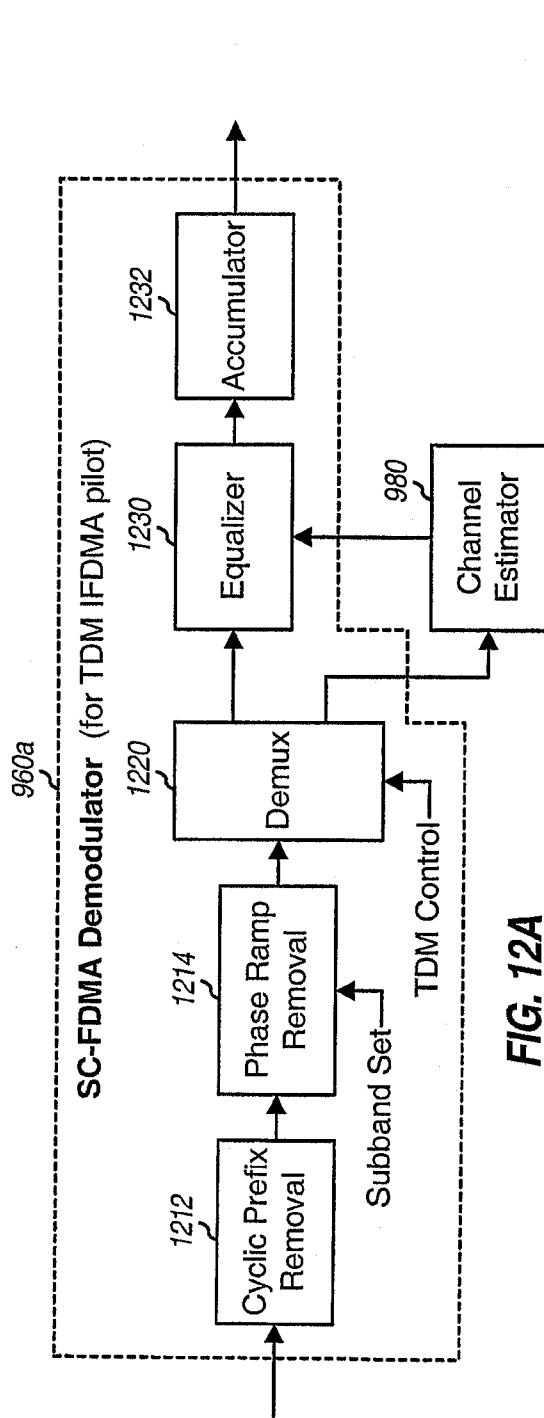


FIG. 12A

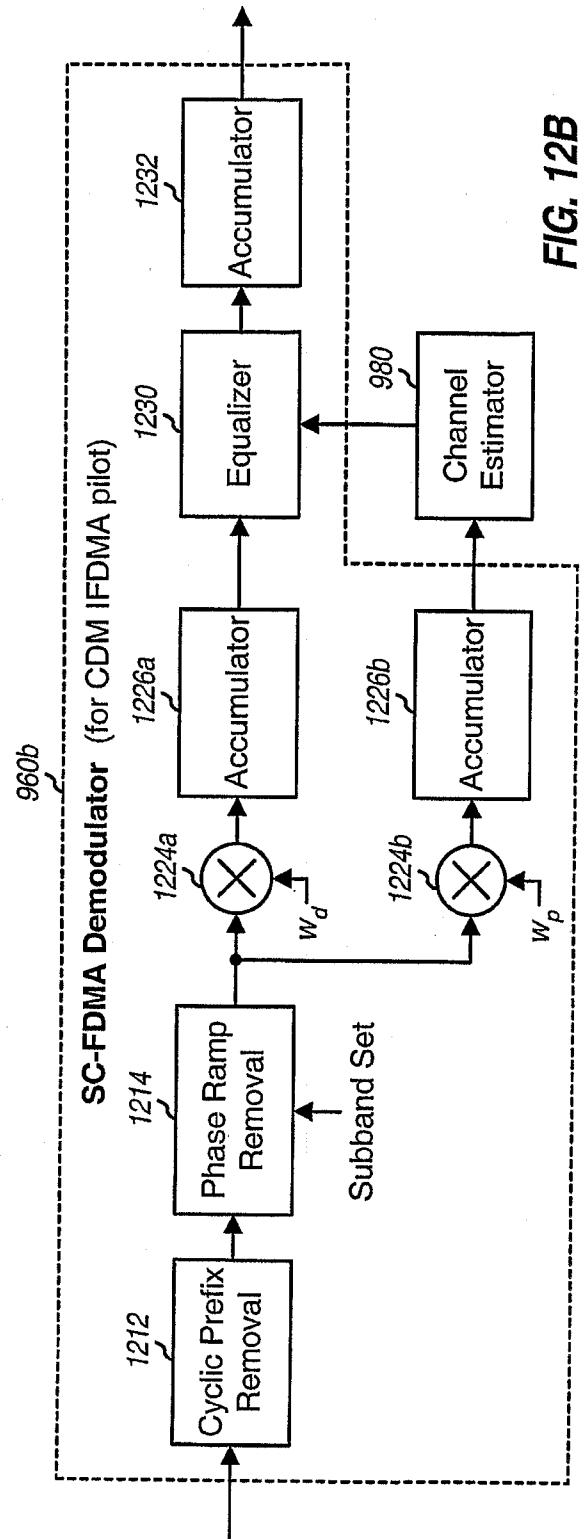


FIG. 12B

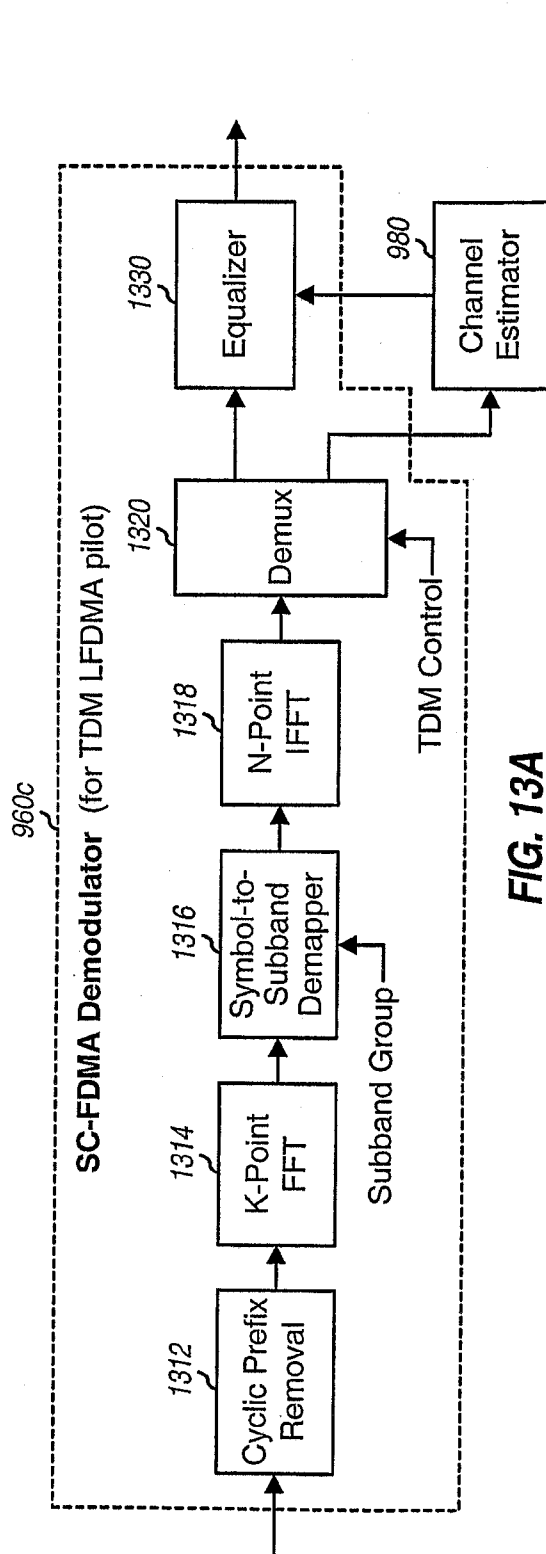


FIG. 13A

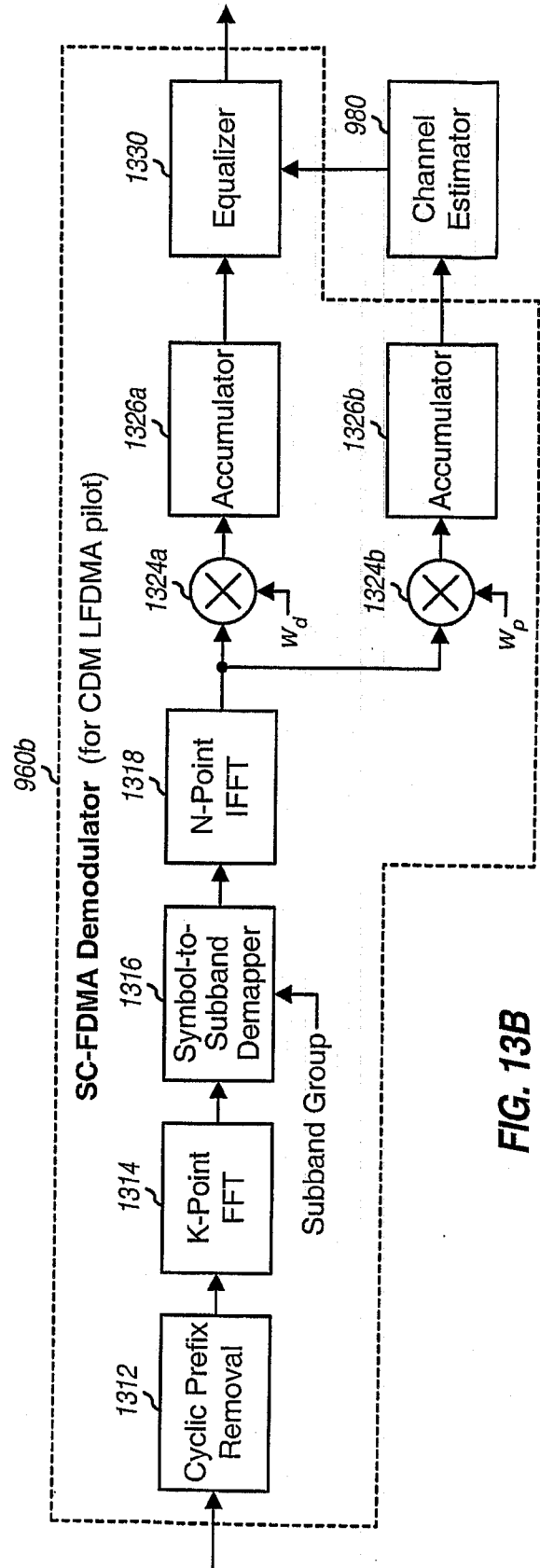


FIG. 13B