

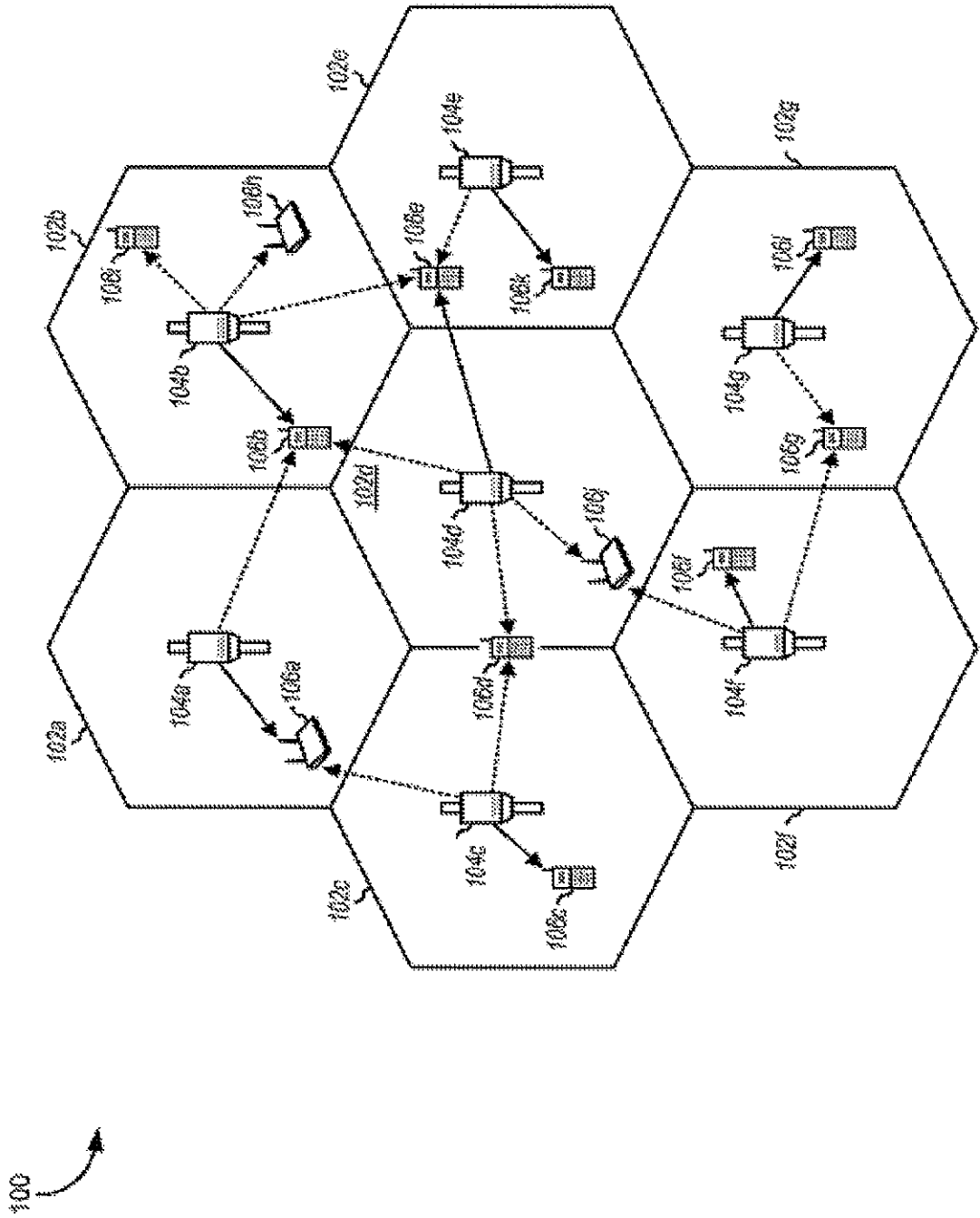


FIG. 1

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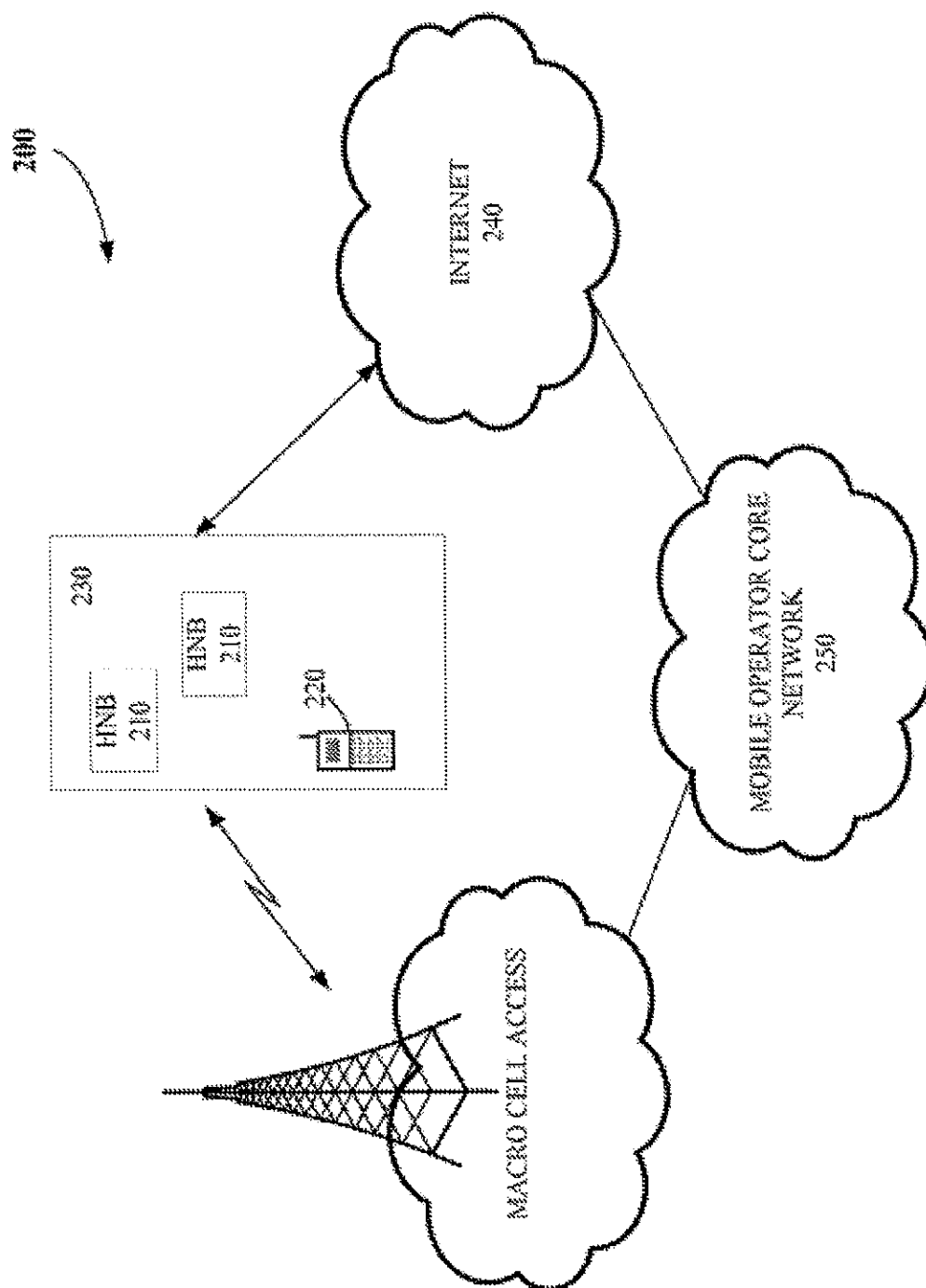
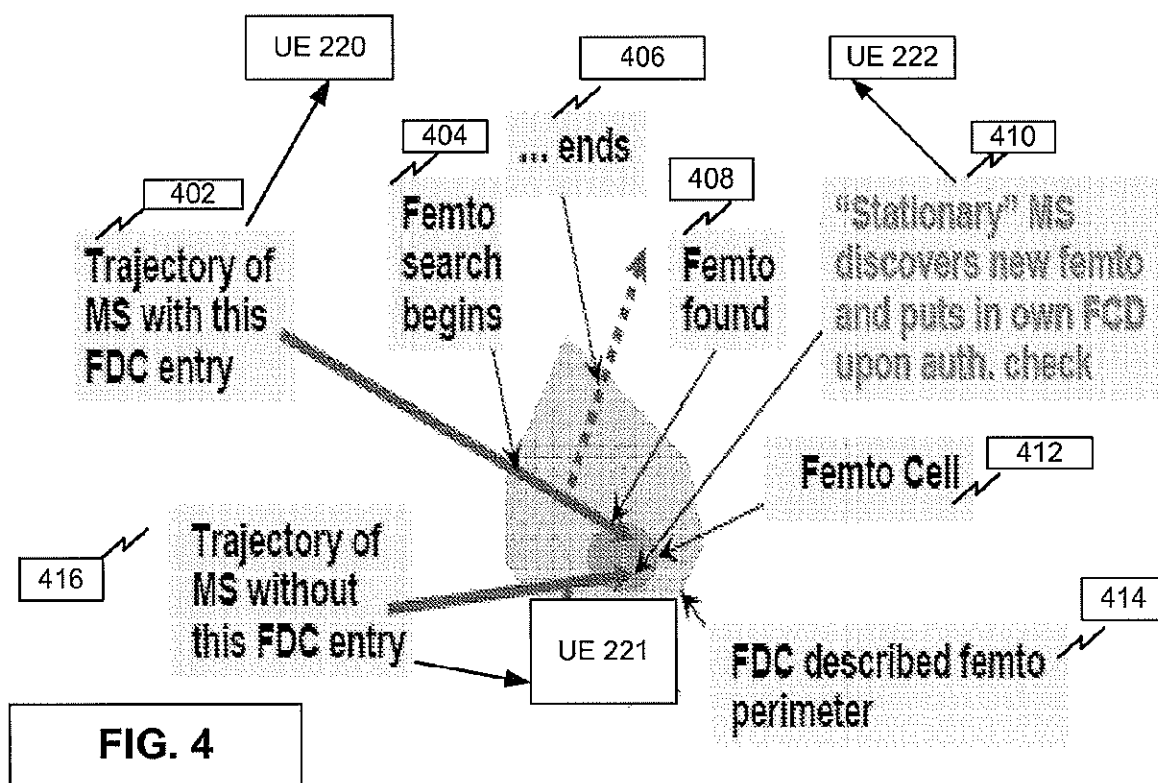
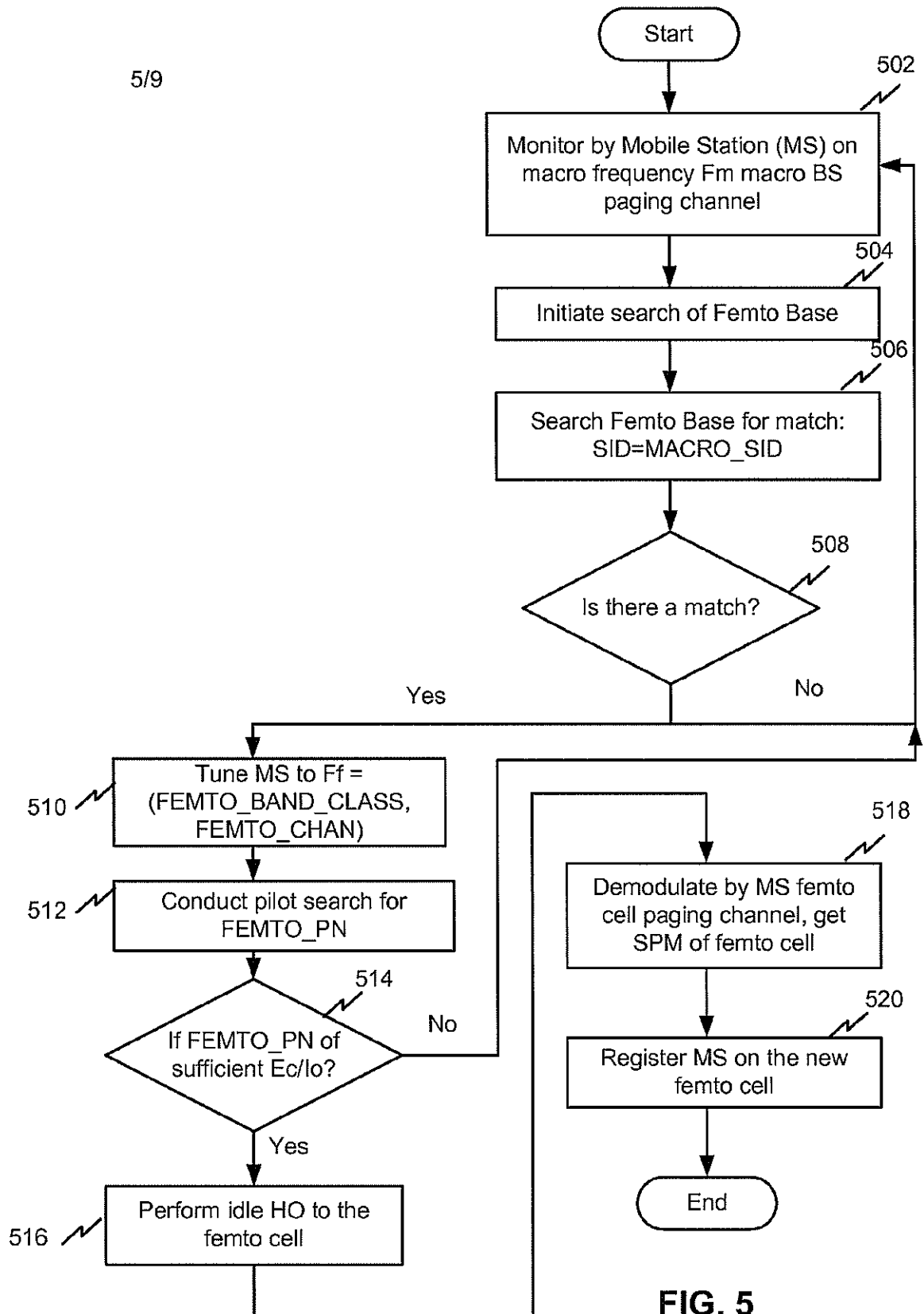


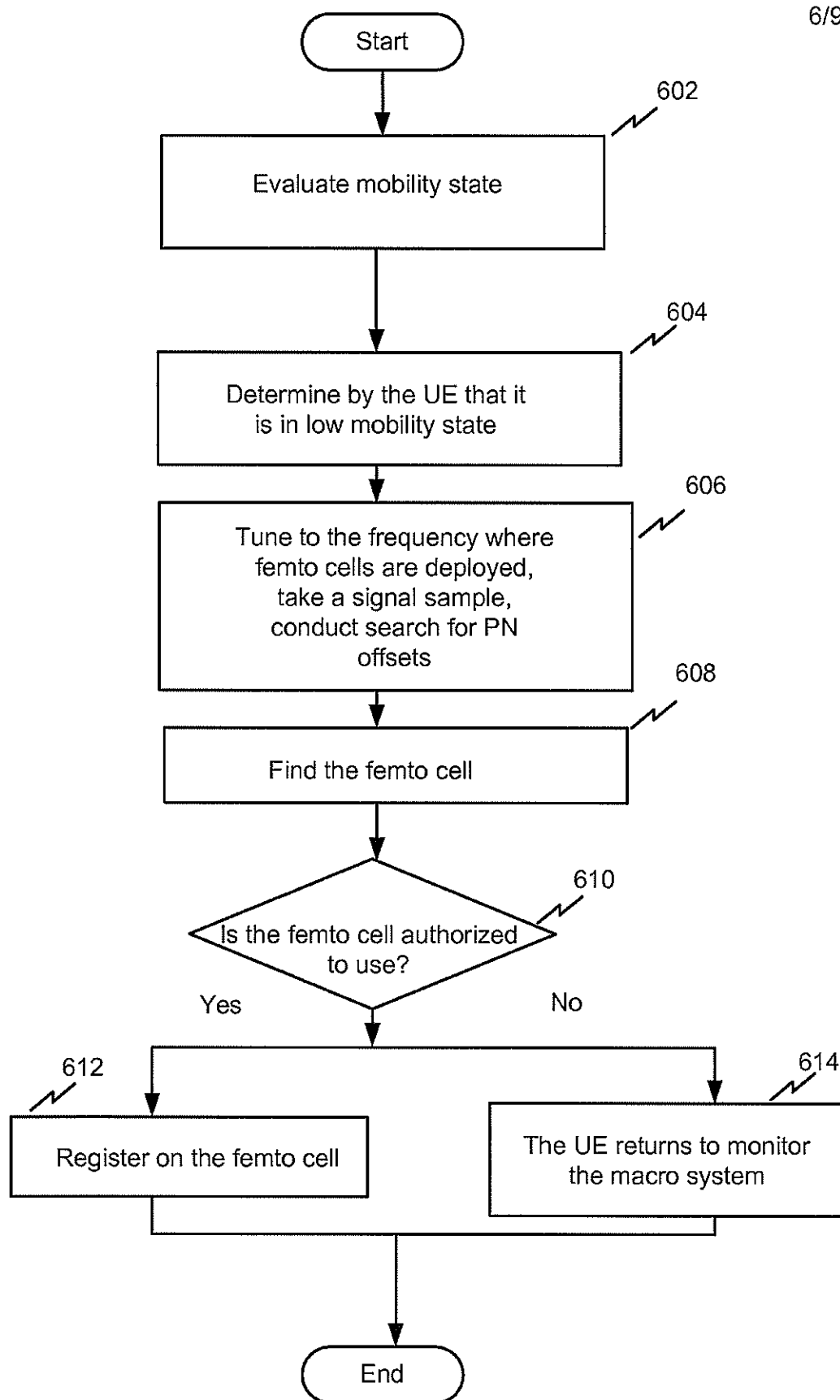
FIG. 2

SID/ NID	Femto ID	Macro BS Set	Pilot E_c/I_0 Threshold Vector	Mean Pilot Phase Vector	Pilot Phase Deviation Vector
A	A_1	$C(A_1)$	$D(A_1)$	$P(A_1)$	$Q(A_1)$
	A_2	$C(A_2)$	$D(A_2)$	$P(A_2)$	$Q(A_2)$
	A_3	$C(A_3)$	$D(A_3)$	$P(A_3)$	$Q(A_3)$

FIG. 3





**FIG. 6**

Baseline: Prior to femto deployment (all-macro cells)			Rel. Impact
No. of correlation computations in slot cycle		3,000	100%
Number of wake cycles in a day		33,750	
Total correlation computations per day	millions	101	
Legacy (Femto-Unaware) mobile subscribed to femtos			
No. of corr. comp. in slot cycle when on femto		400	73%
No. of corr. comp. in slot cycle when on macro		4,000	
Total correlation computations per day	millions	74	
Femto-Aware mobile subscribed to femtos			
No. of corr. comp. in slot cycle when on macro		3,000	57%
No. of targeted search corr. comp. in slot cycle		52	
No. of exploratory search corr. comp. in Expl. Period		12,800	
No. of corr. comp. in slot cycle when on femto		400	
Total correlation computations per day	millions	58	
Corr. computations due to expl. search	millions	0.31	
Impact of expl. search on overall search effort		0.5%	

FIG. 7A

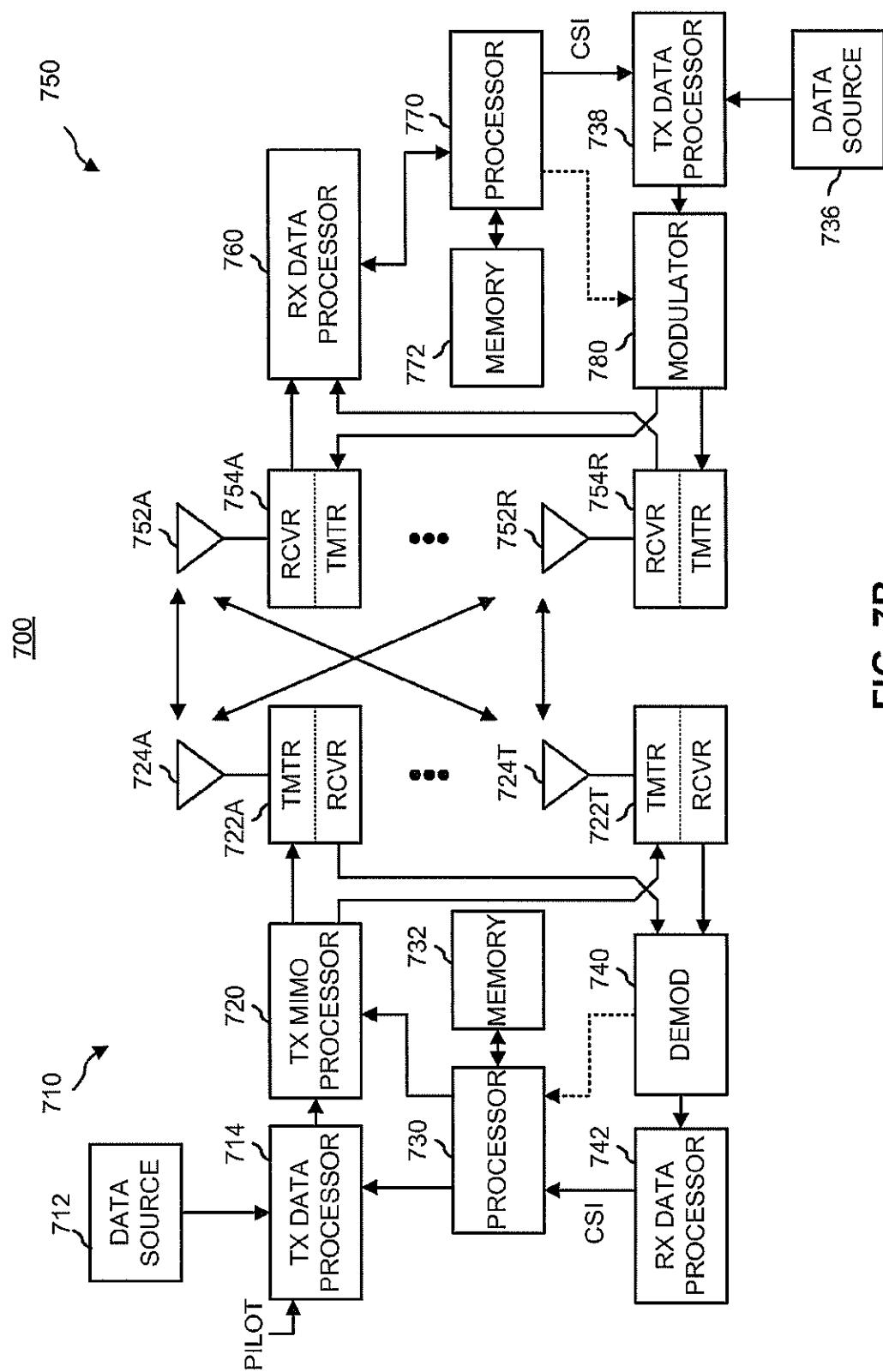
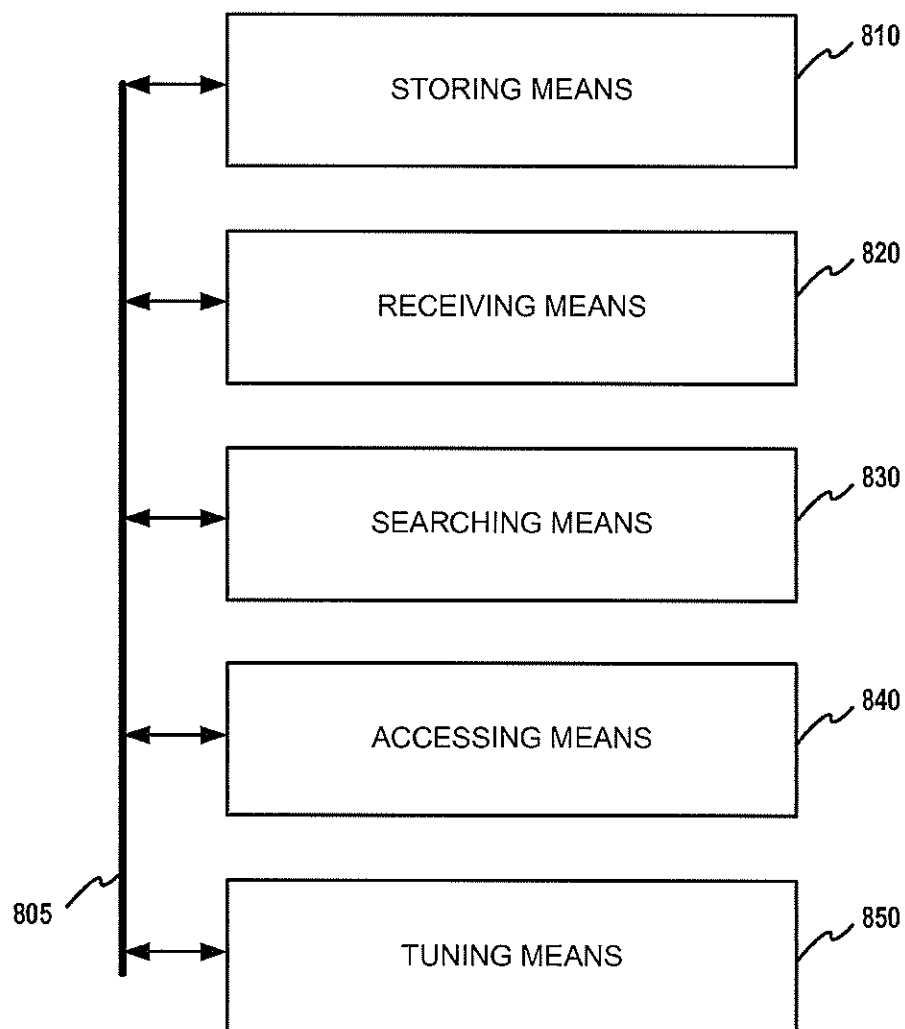


FIG. 7B

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800

**FIG. 8**