

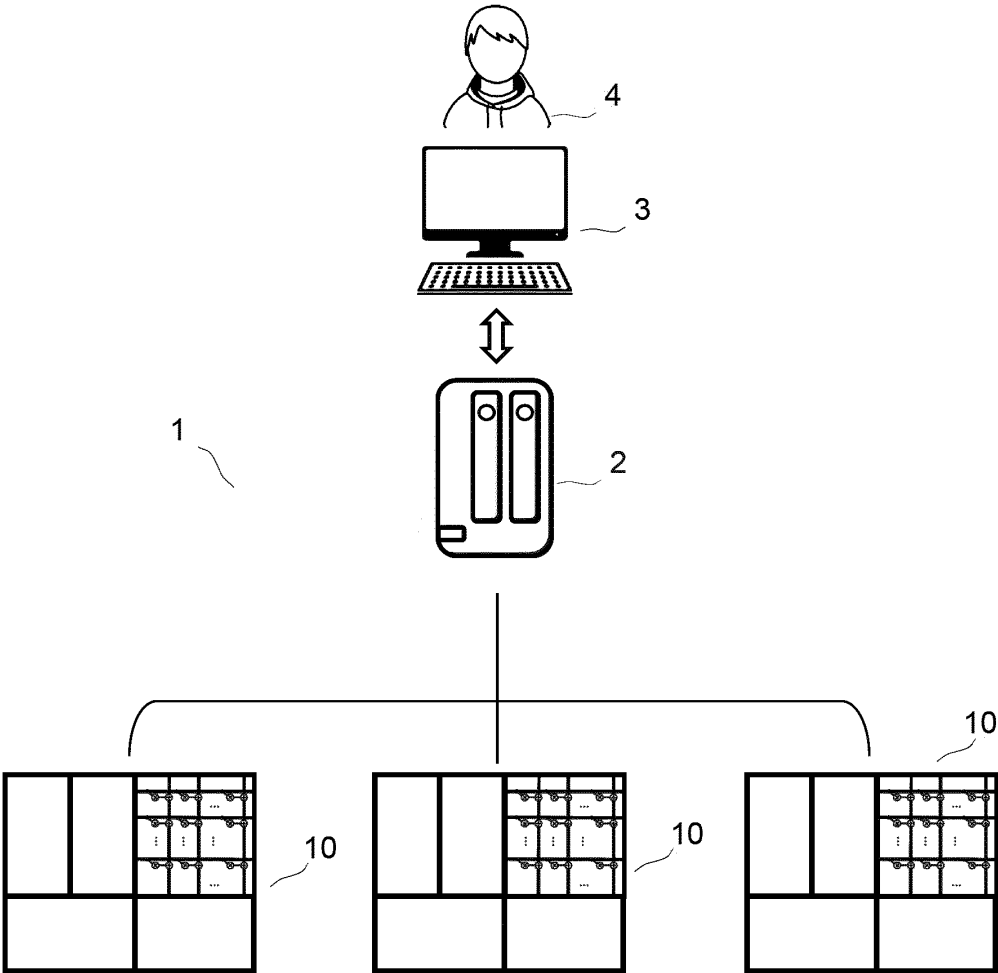
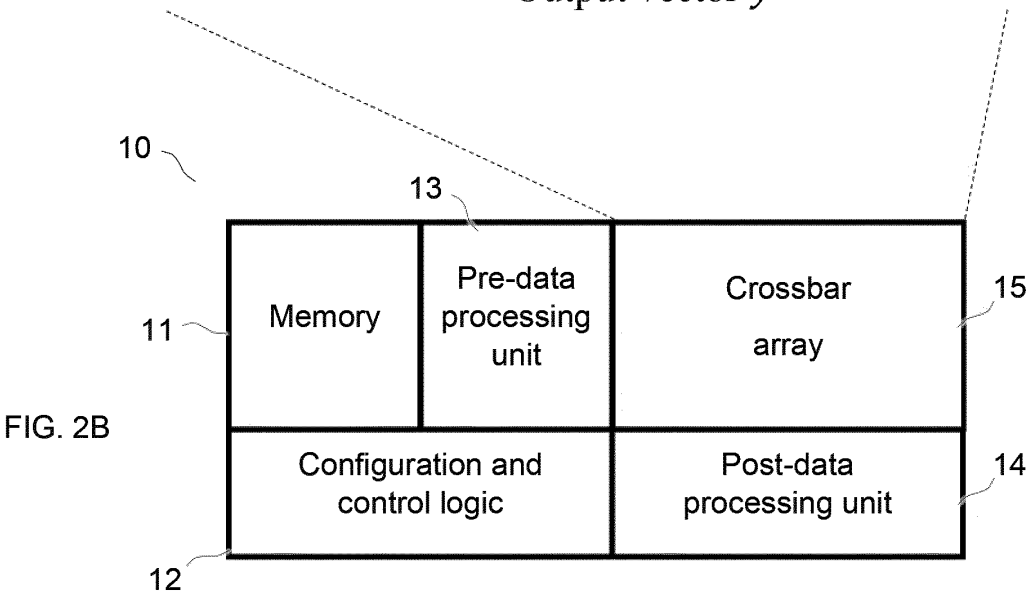
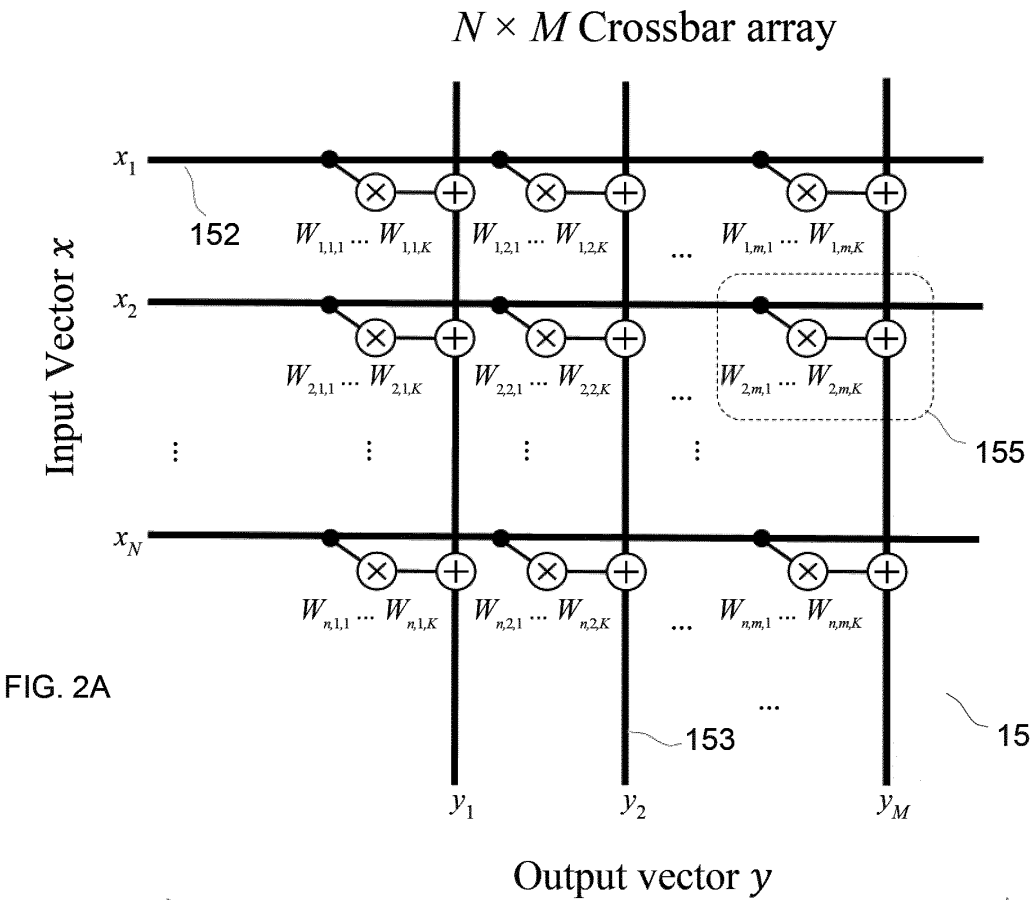


FIG. 1



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$W_{1,1,3}$	$W_{1,1,2}$	$W_{1,1,1}$	$W_{1,1,0}$	Multiplier	Adder tree	...	$W_{1,M,3}$	$W_{1,M,2}$	$W_{1,M,1}$	$W_{1,M,0}$	Multiplier	Adder tree
$W_{2,1,3}$	$W_{2,1,2}$	$W_{2,1,1}$	$W_{2,1,0}$	Multiplier	Adder tree	...	$W_{2,M,3}$	$W_{2,M,2}$	$W_{2,M,1}$	$W_{2,M,0}$	Multiplier	Adder tree
$W_{3,1,3}$	$W_{3,1,2}$	$W_{3,1,1}$	$W_{3,1,0}$	Multiplier	Adder tree	...	$W_{3,M,3}$	$W_{3,M,2}$	$W_{3,M,1}$	$W_{3,M,0}$	Multiplier	Adder tree
$W_{4,1,3}$	$W_{4,1,2}$	$W_{4,1,1}$	$W_{4,1,0}$	Multiplier	Adder tree	...	$W_{4,M,3}$	$W_{4,M,2}$	$W_{4,M,1}$	$W_{4,M,0}$	Multiplier	Adder tree
:	:	:	:	:	:	:	:	:	:	:	:	:
$W_{N-1,1,3}$	$W_{N-1,1,2}$	$W_{N-1,1,1}$	$W_{N-1,1,0}$	Multiplier	Adder tree	...	$W_{N-1,M,3}$	$W_{N-1,M,2}$	$W_{N-1,M,1}$	$W_{N-1,M,0}$	Multiplier	Adder tree
$W_{N,1,3}$	$W_{N,1,2}$	$W_{N,1,1}$	$W_{N,1,0}$	Multiplier	Adder tree	...	$W_{N,M,3}$	$W_{N,M,2}$	$W_{N,M,1}$	$W_{N,M,0}$	Multiplier	Adder tree

FIG. 3A

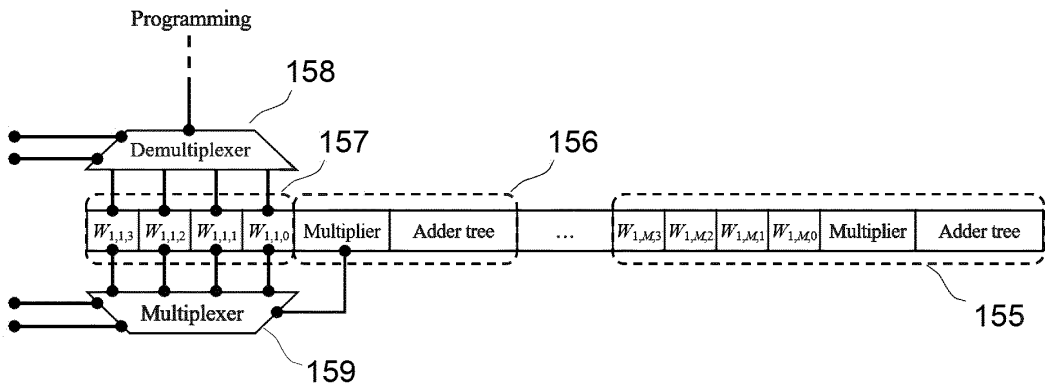


FIG. 3B

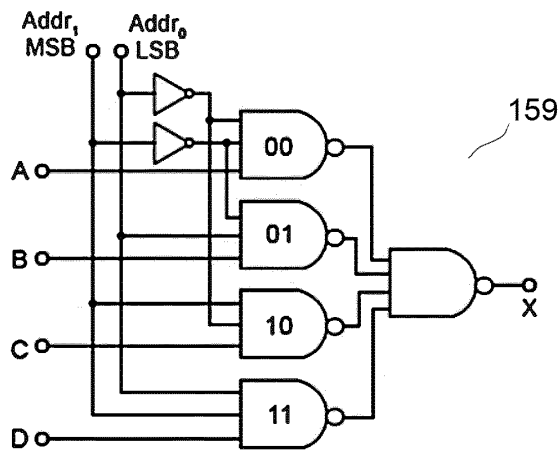


FIG. 3C

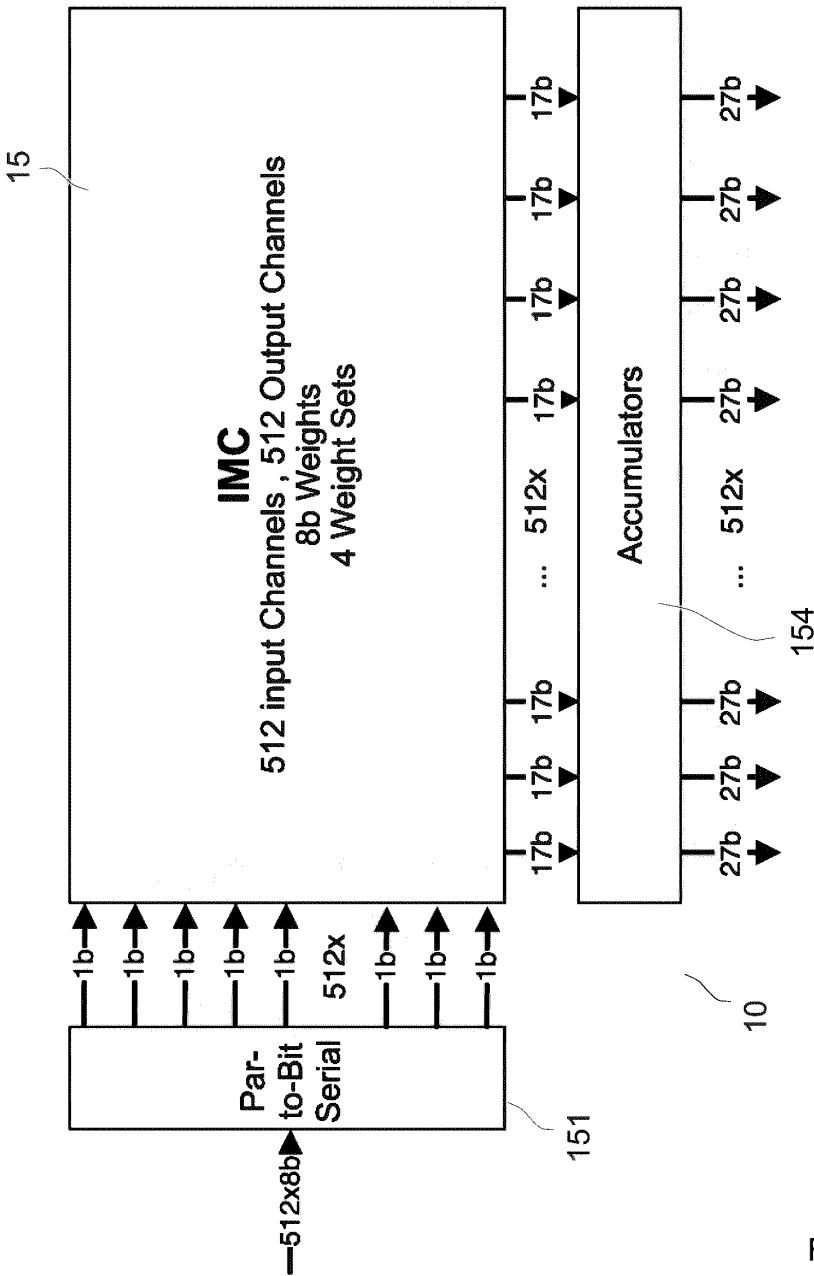


FIG. 4A

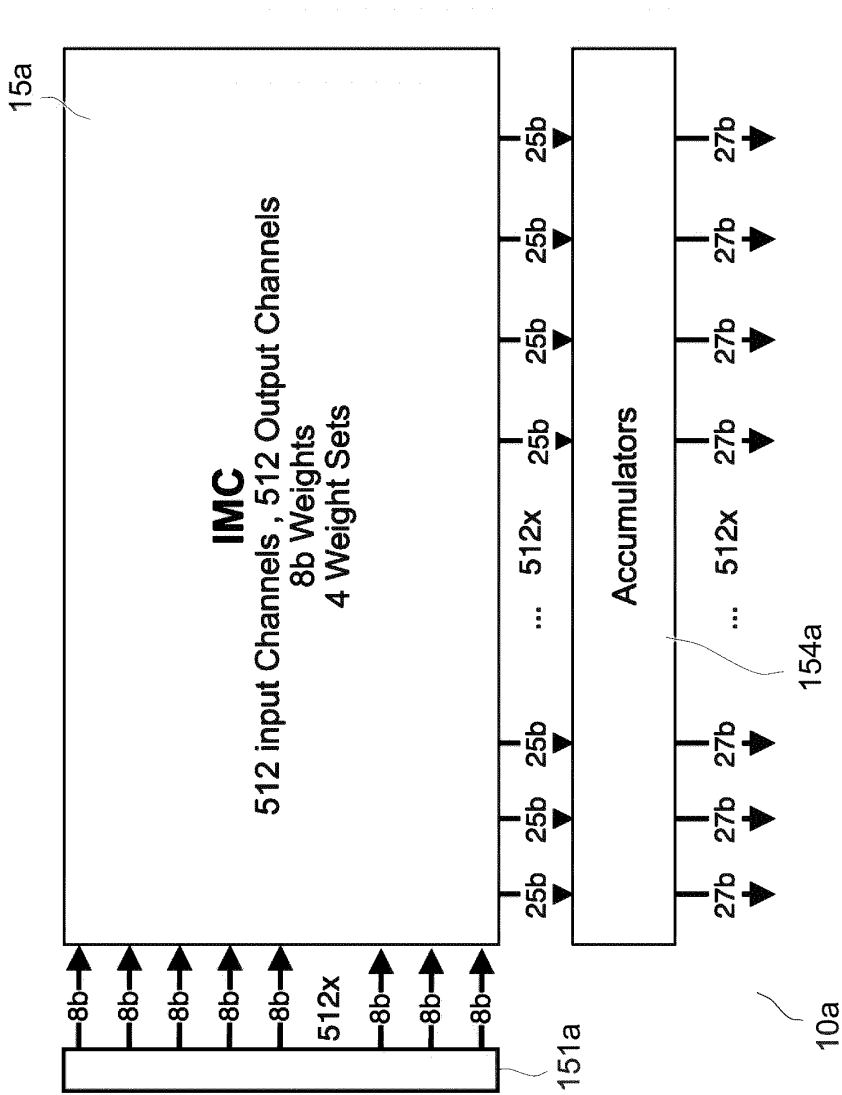


FIG. 4B

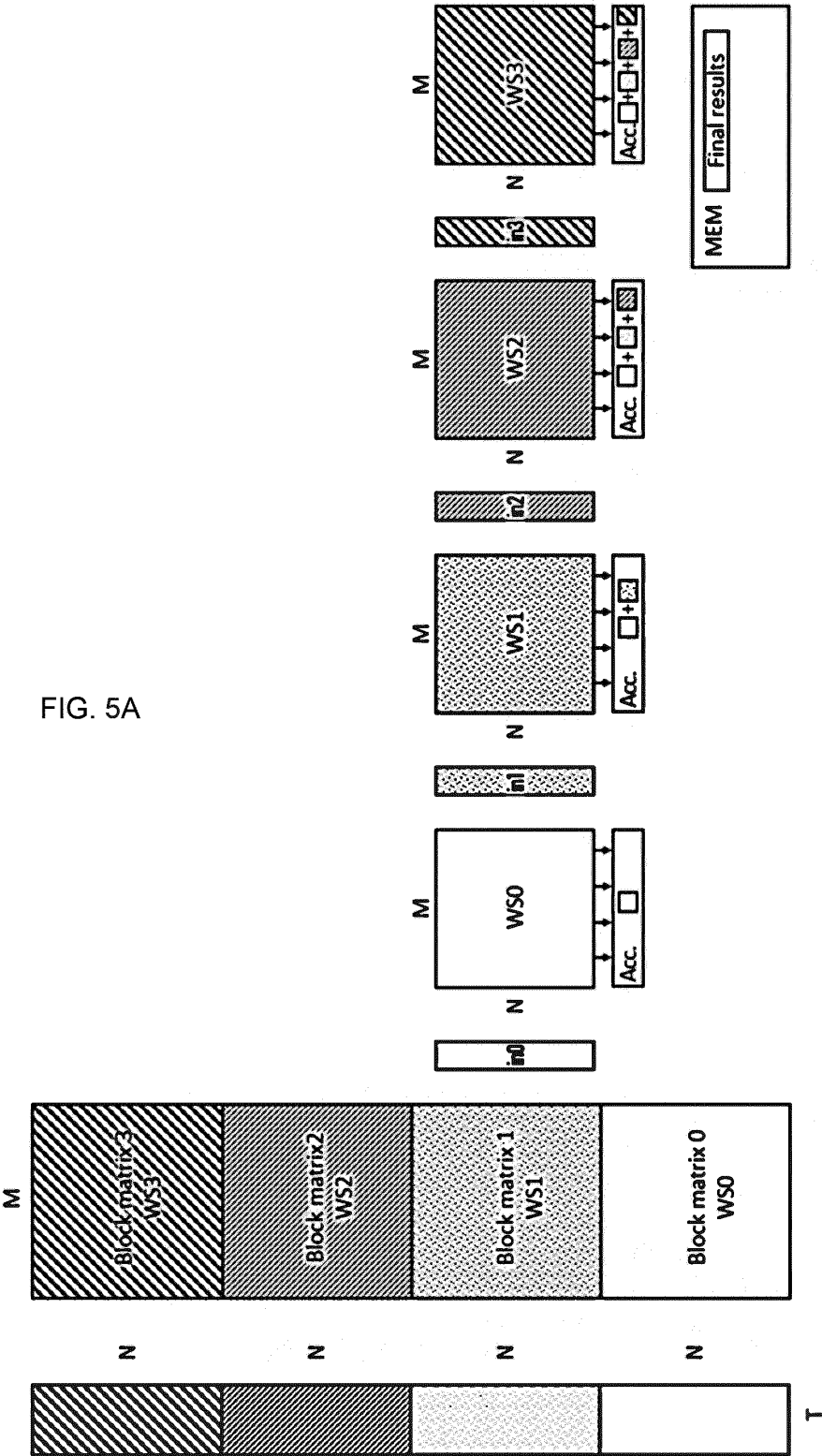


FIG. 5A

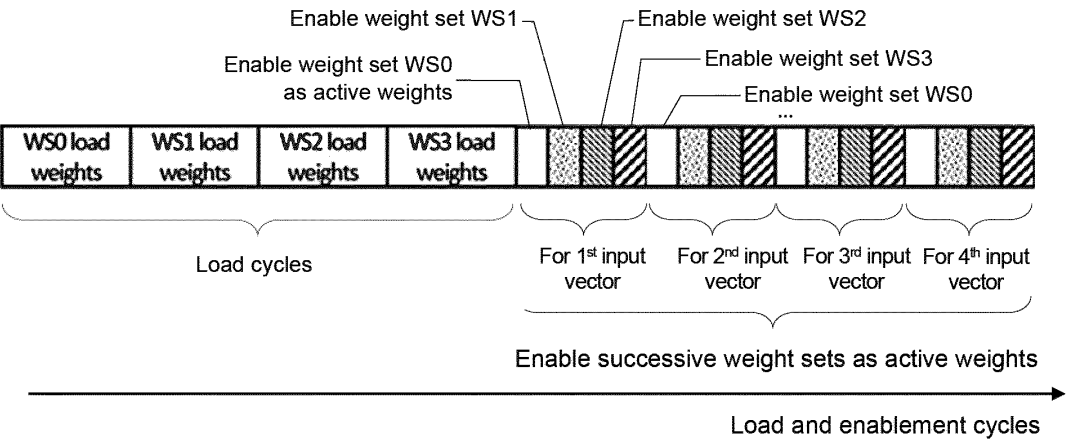


FIG. 5B

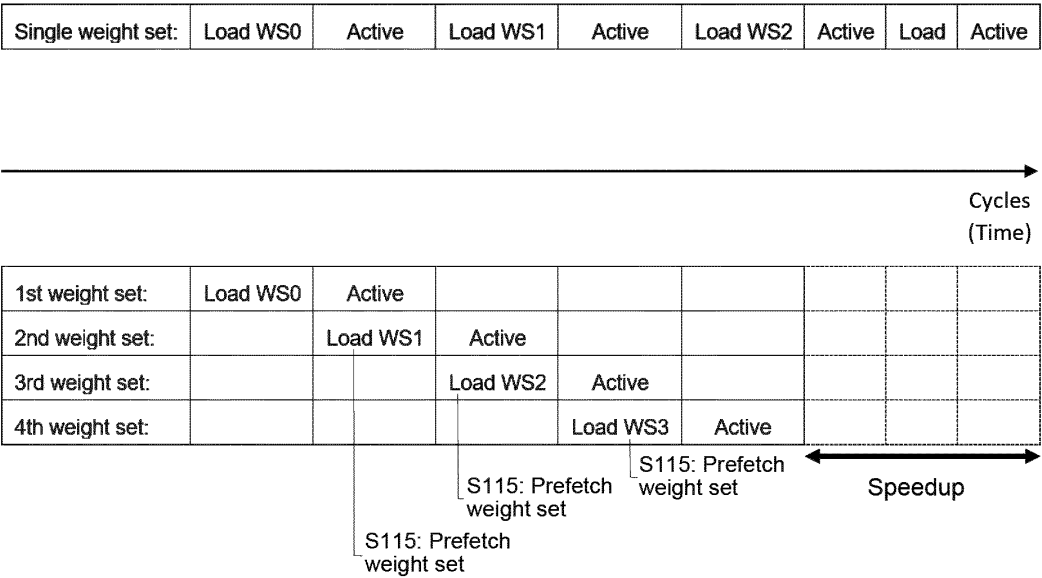


FIG. 6

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FIG. 7

