

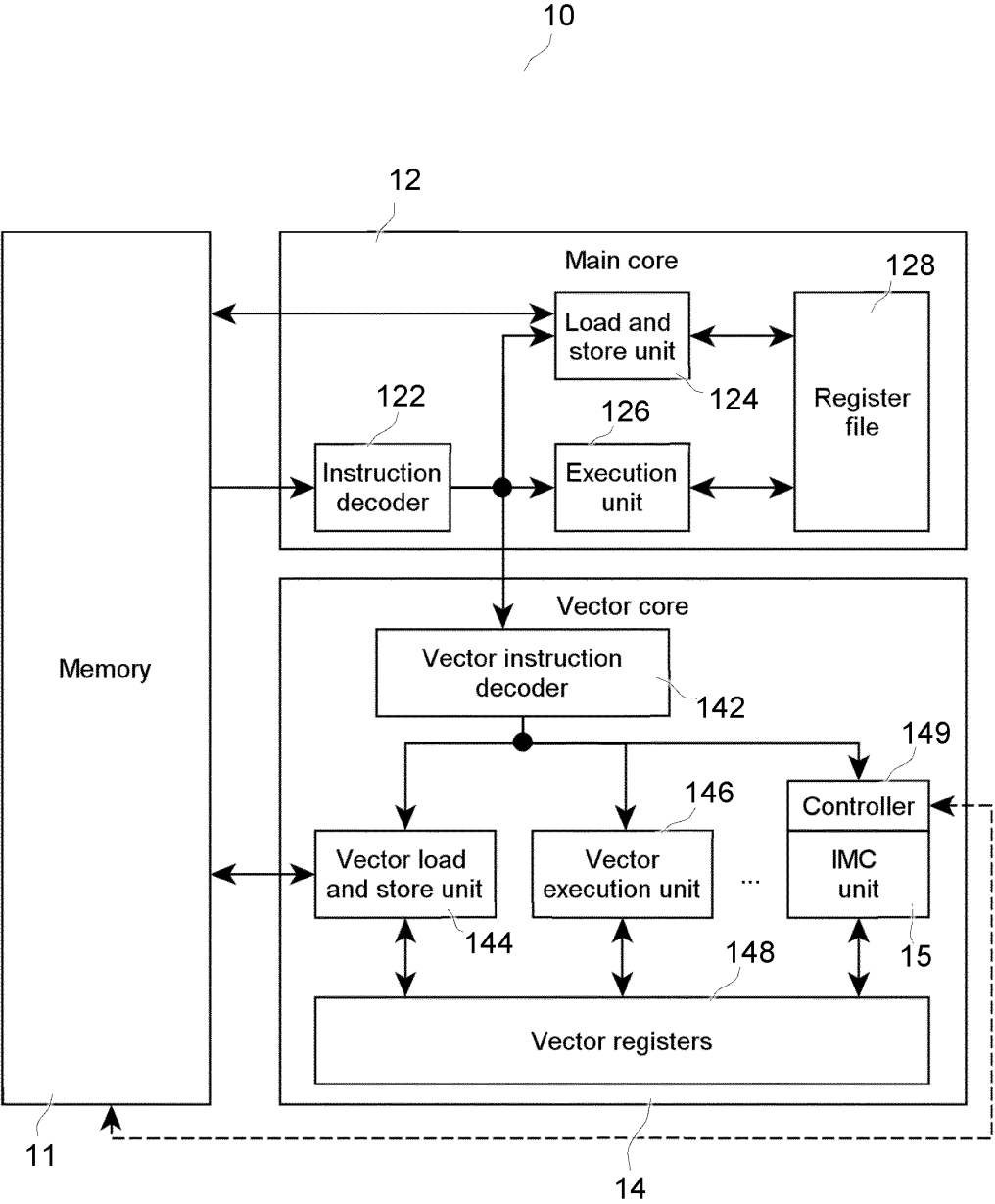


FIG. 1

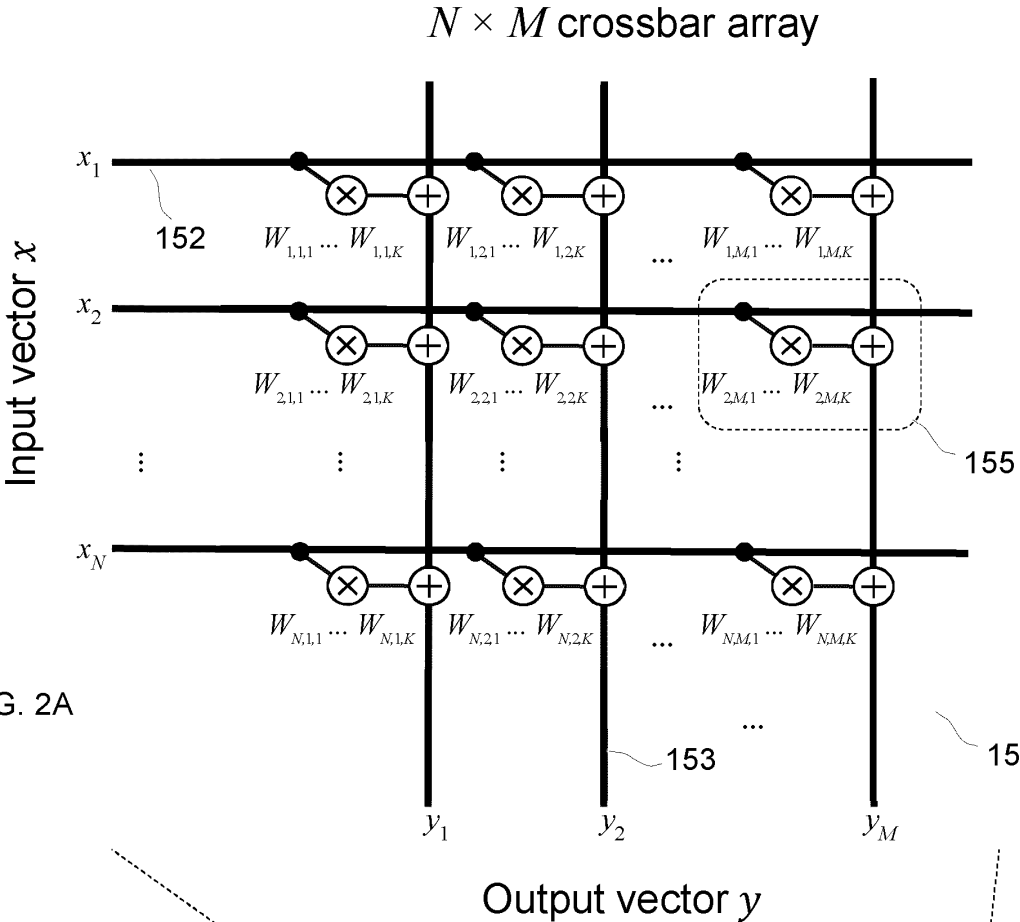


FIG. 2A

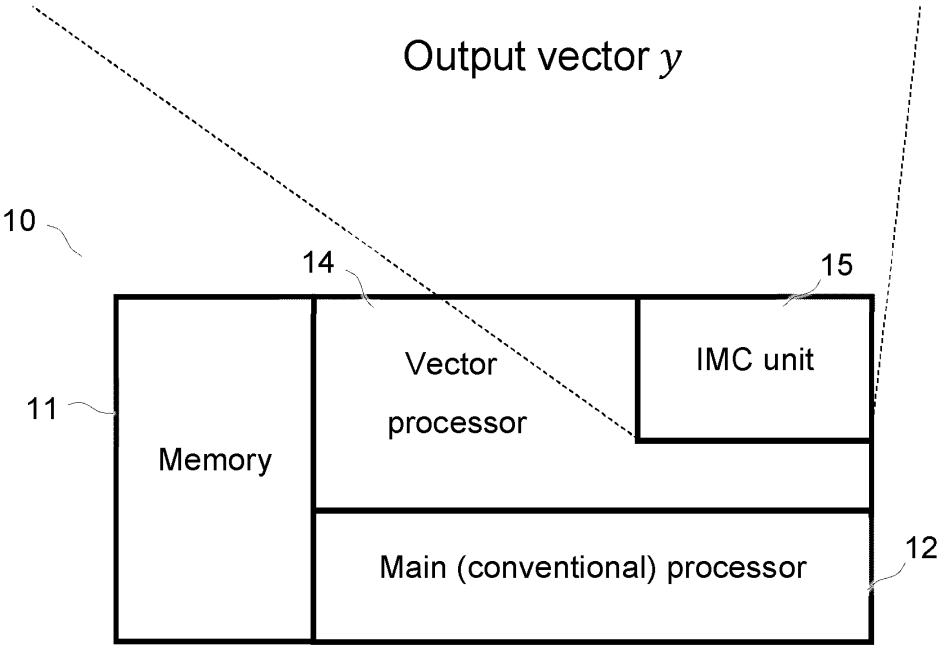


FIG. 2B

155

$W_{1,1,3}$	$W_{1,1,2}$	$W_{1,1,1}$	$W_{1,1,0}$	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
$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$	$\vdots$
$W_{N-1,1,3}$	$W_{N-1,1,2}$	$W_{N-1,1,1}$	$W_{N-1,1,0}$	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. 3

15

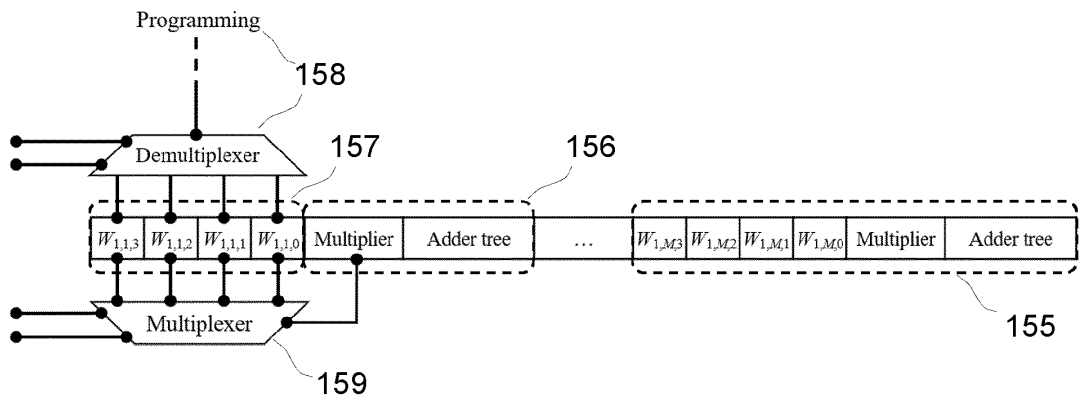


FIG. 4

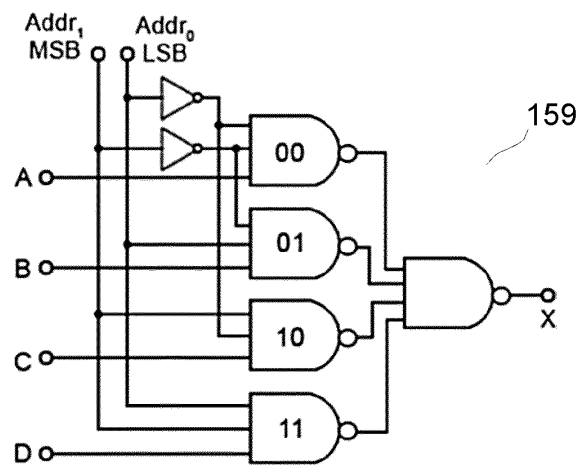


FIG. 5

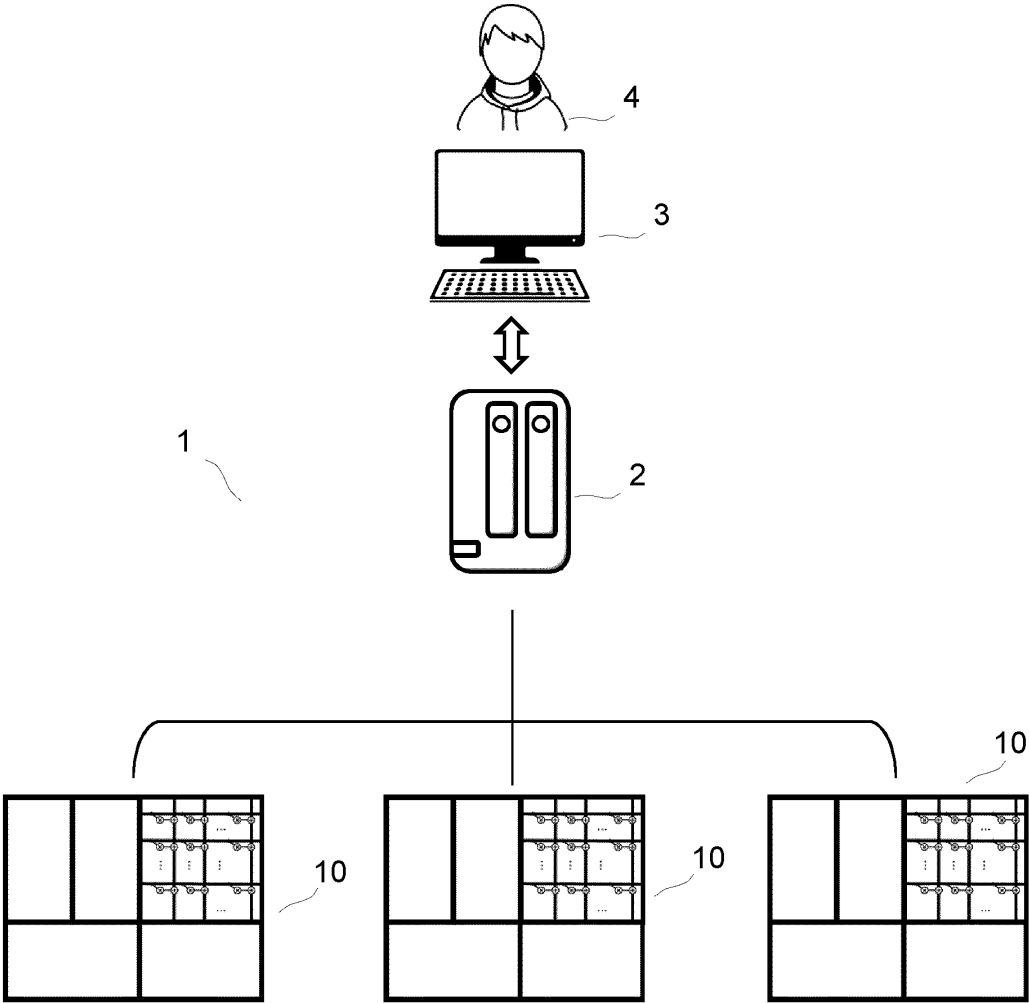


FIG. 6

6/6

FIG. 7

