

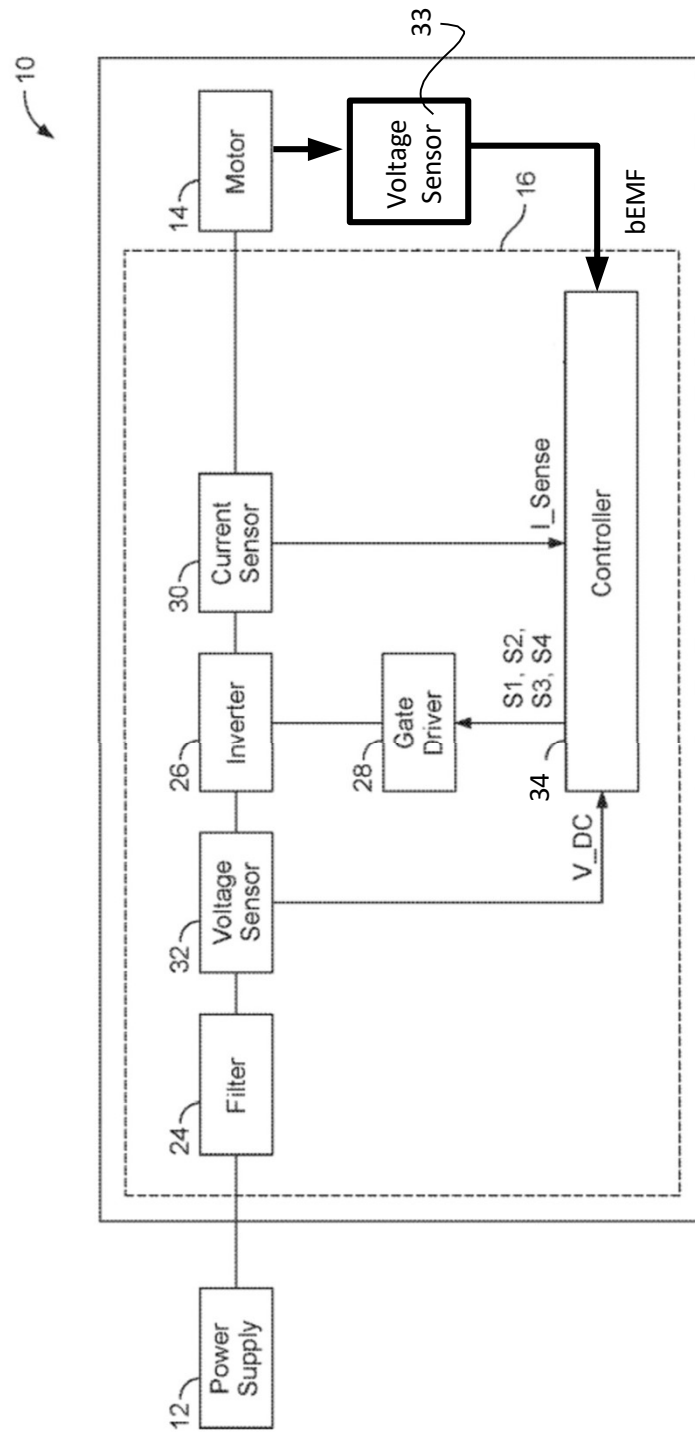
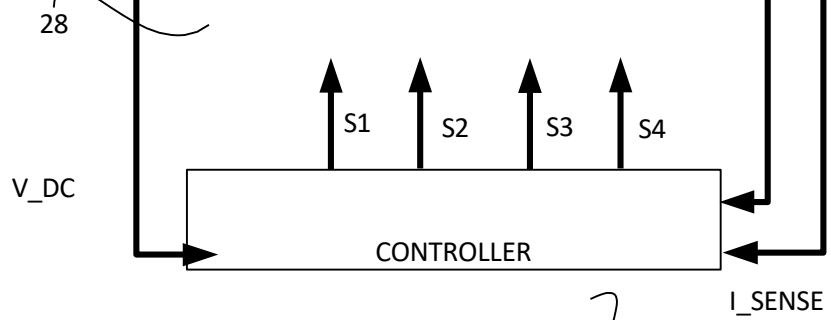


Fig. 1



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Control Signals					Power Switches				Inverter Condition
S1	S2	S3	S4		Q1	Q2	Q3	Q4	
0	0	0	0		0	0	0	0	Off
1	0	0	1		1	0	0	1	Excite Left-to-right
0	1	1	0		0	1	1	0	Excite Right-to-left
0	1	0	1		0	1	0	1	Body Freewheel
0	0	0	1		0	0	0	1	Diode Freewheel Left-to-right
0	1	0	0		0	1	0	0	Diode Freewheel Right-to-left

Fig. 3

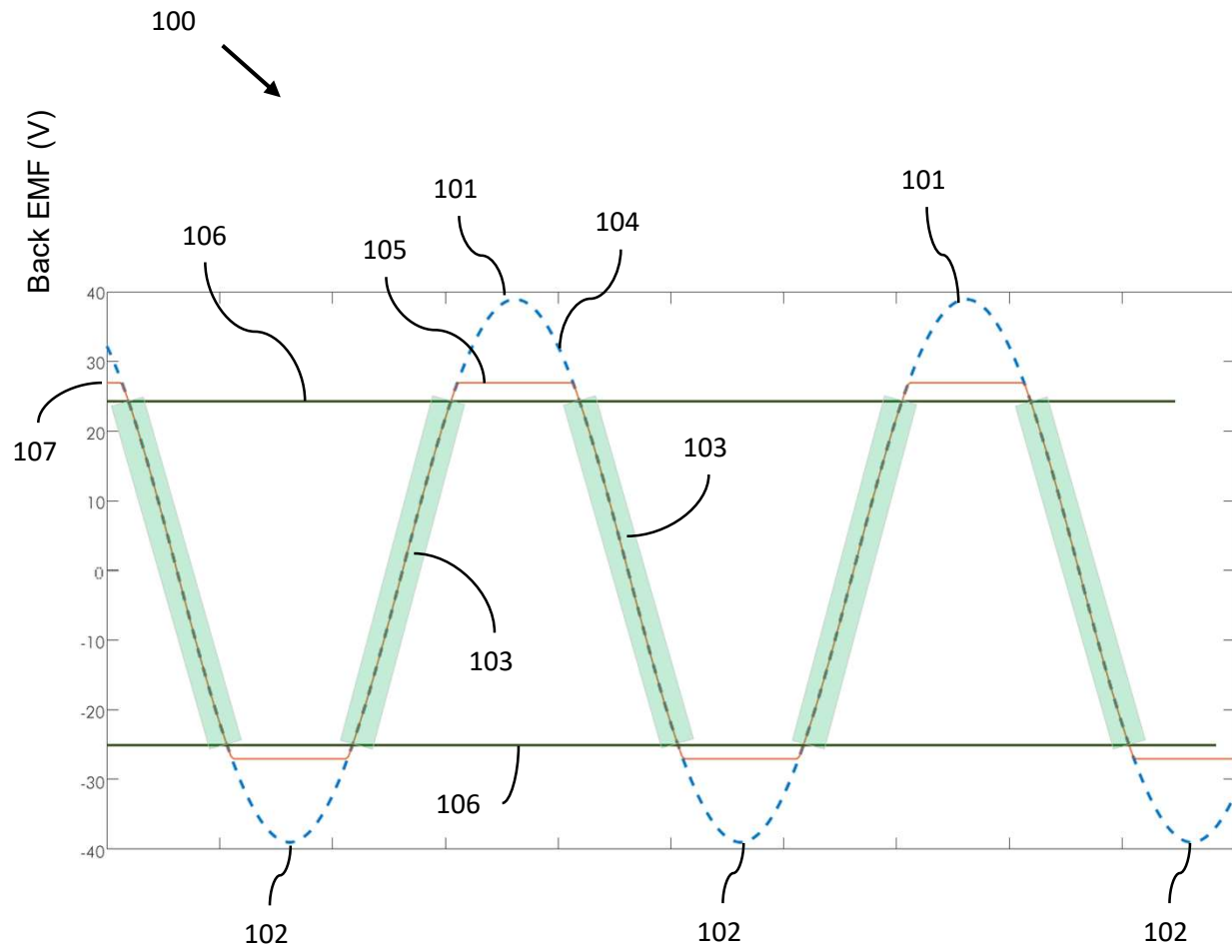


Fig. 4

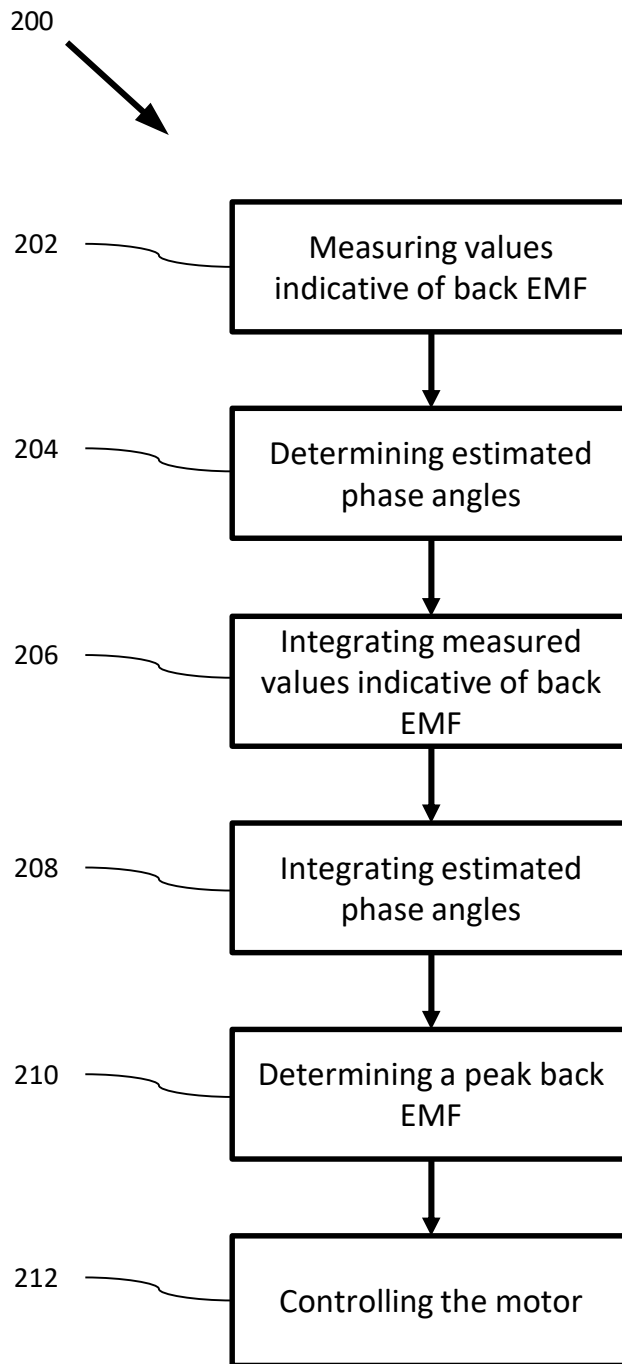


Fig. 5

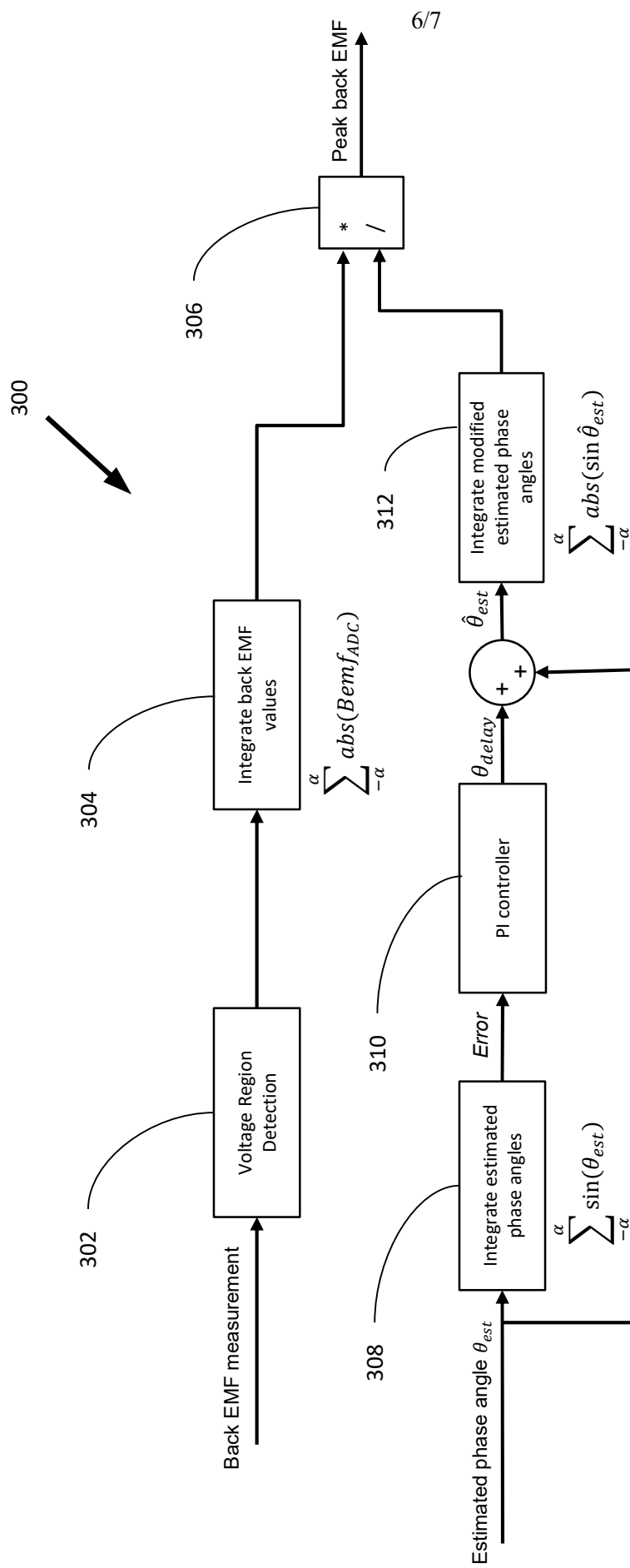


Fig. 6

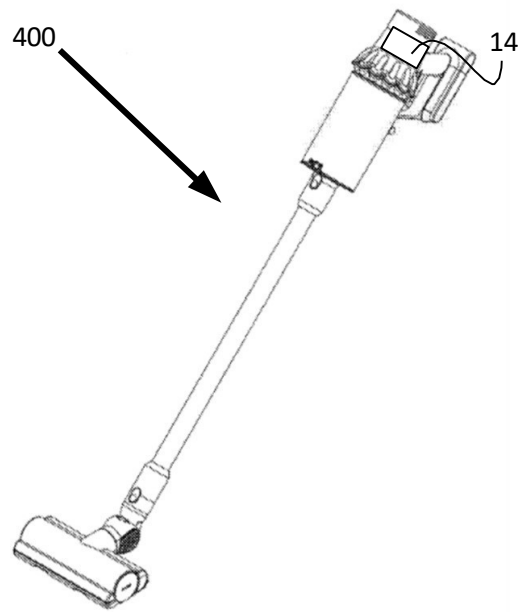


Fig. 7

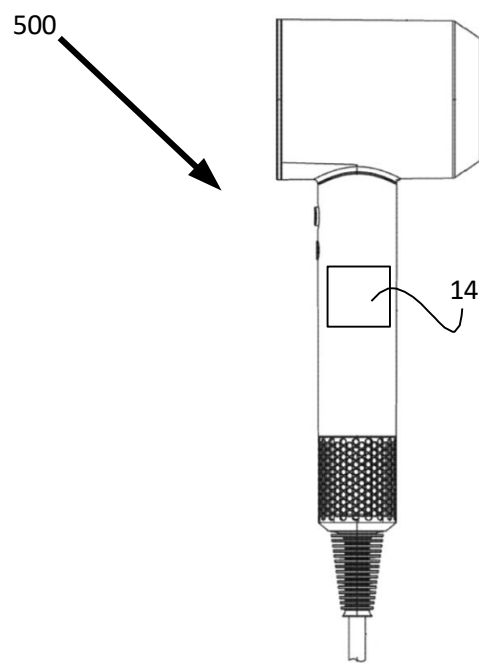


Fig. 8