

FIG. 1

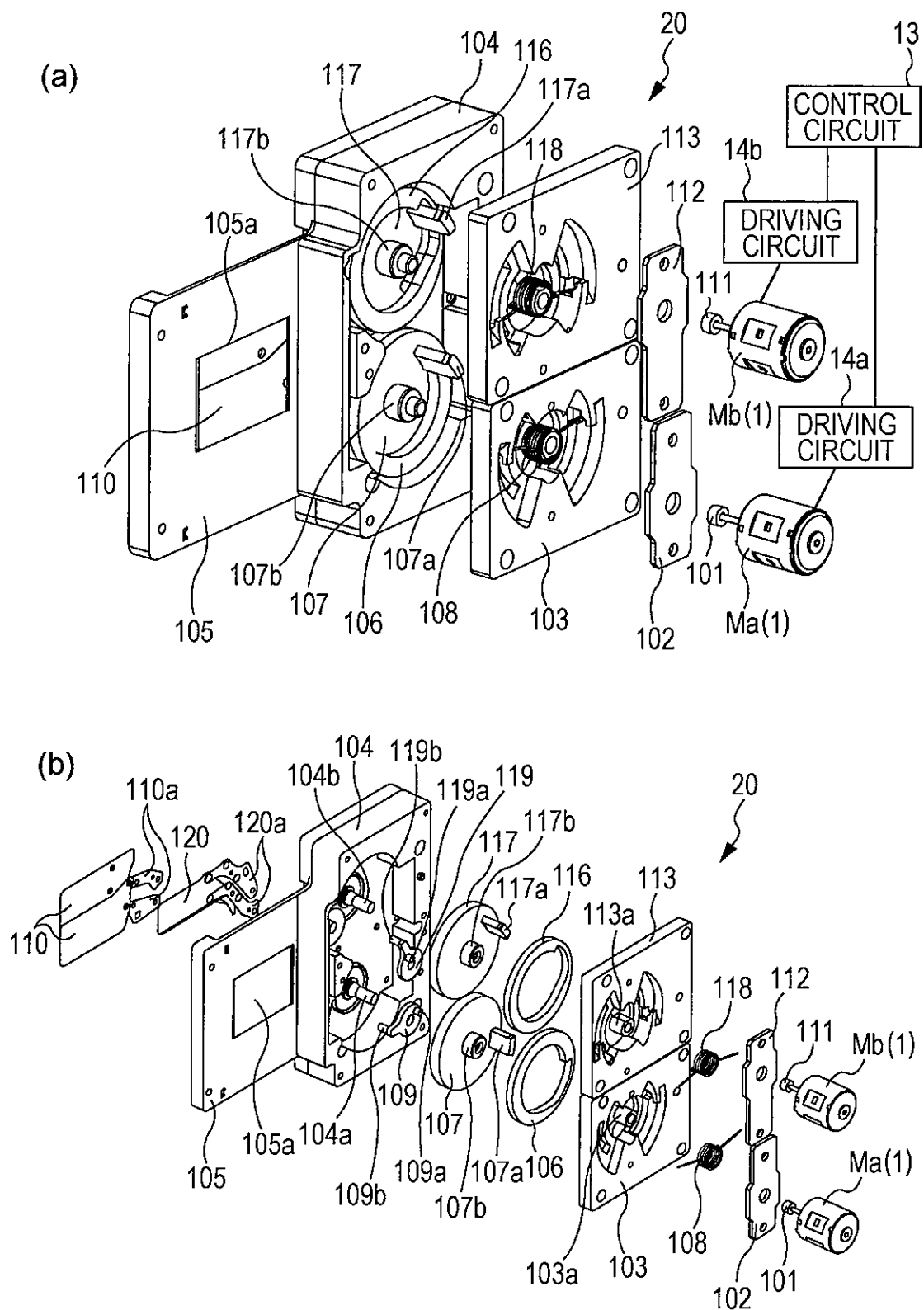
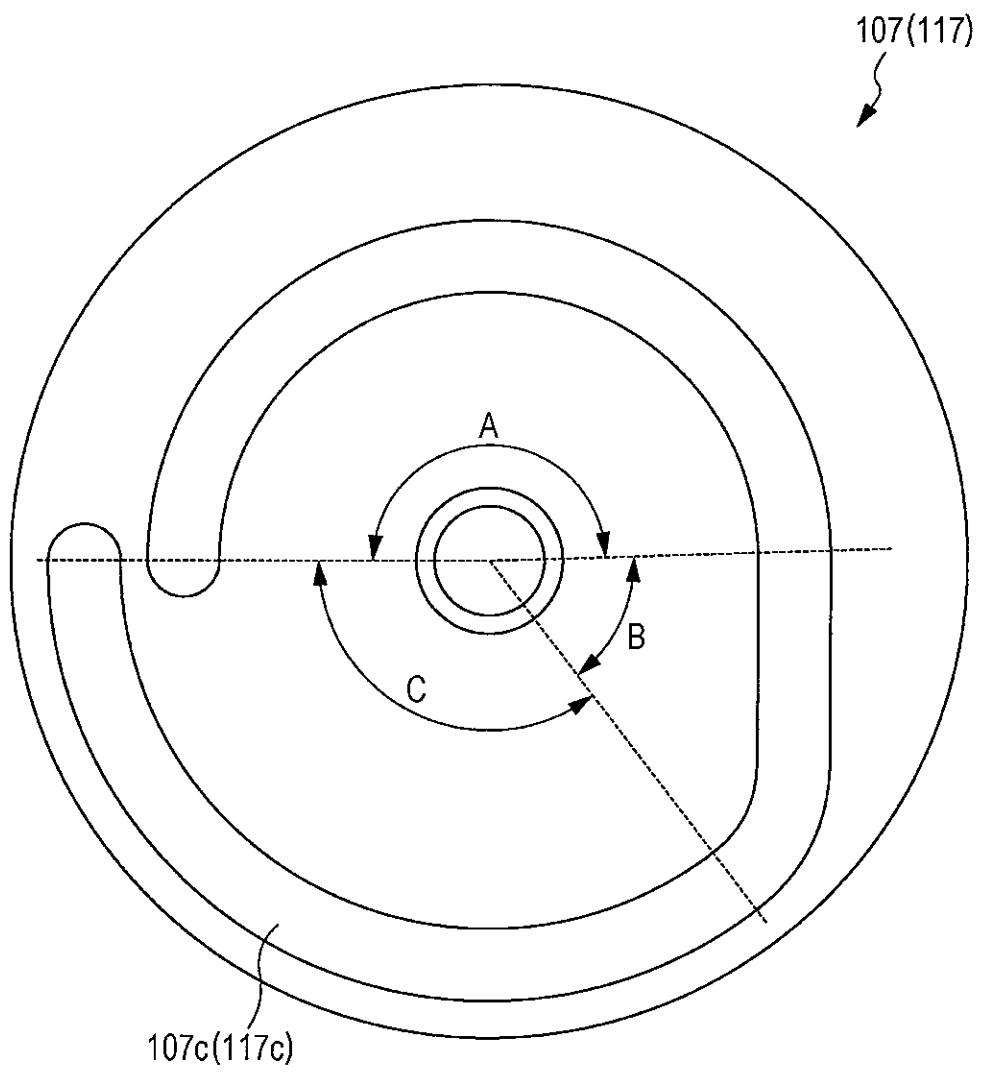
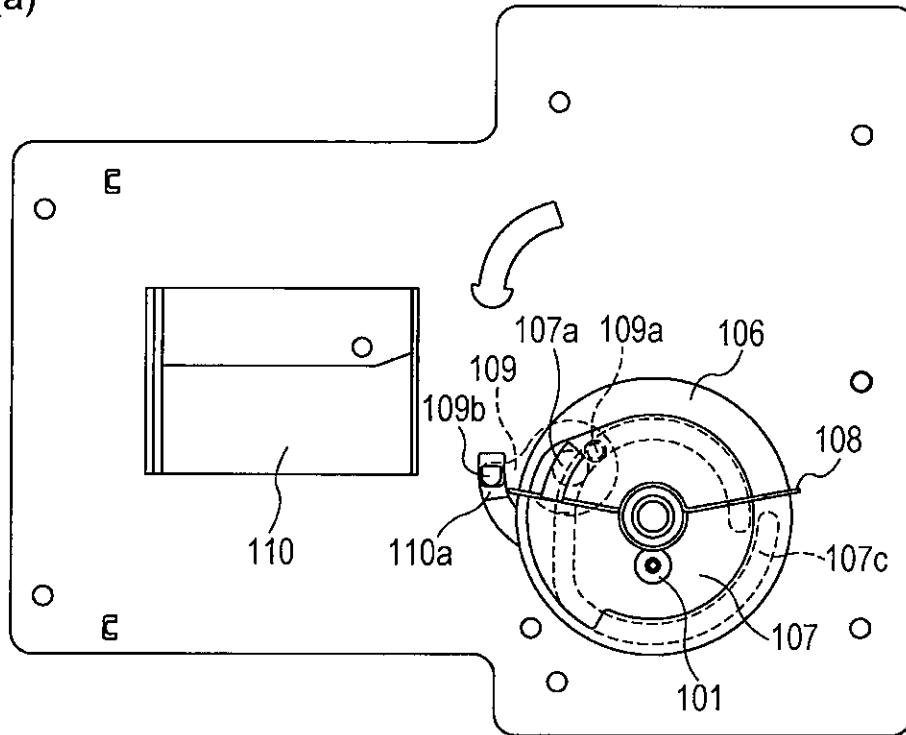


FIG. 2

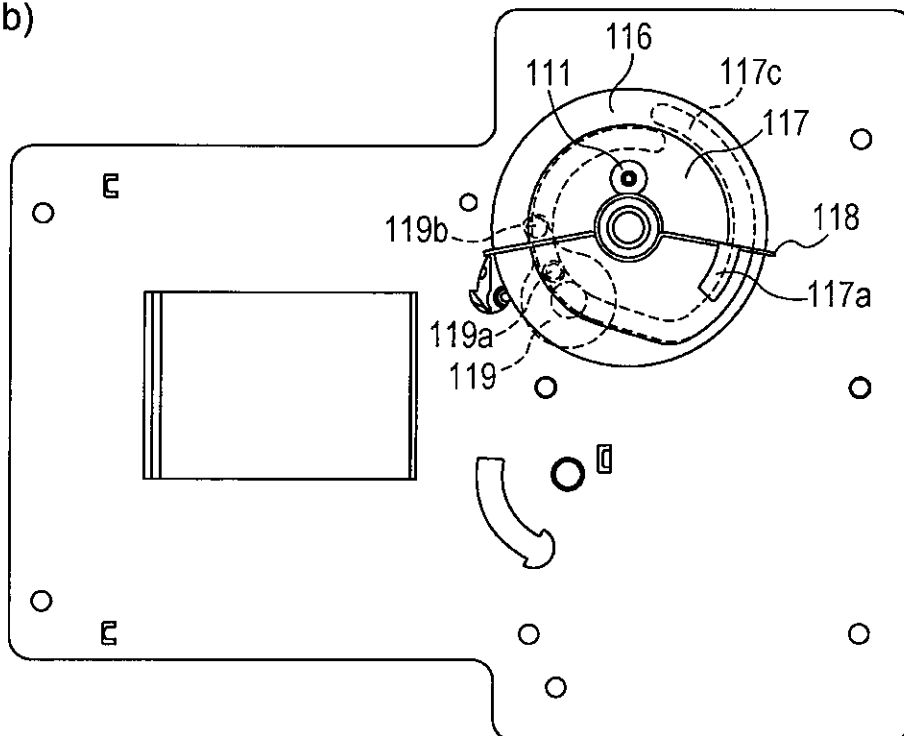


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FIG. 3

(a)

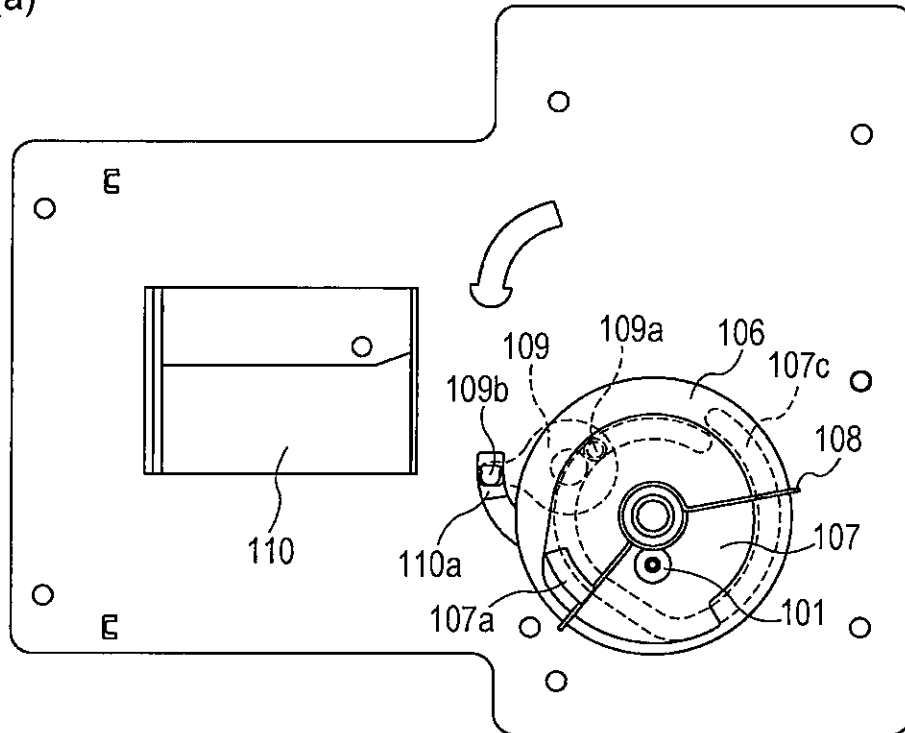


(b)

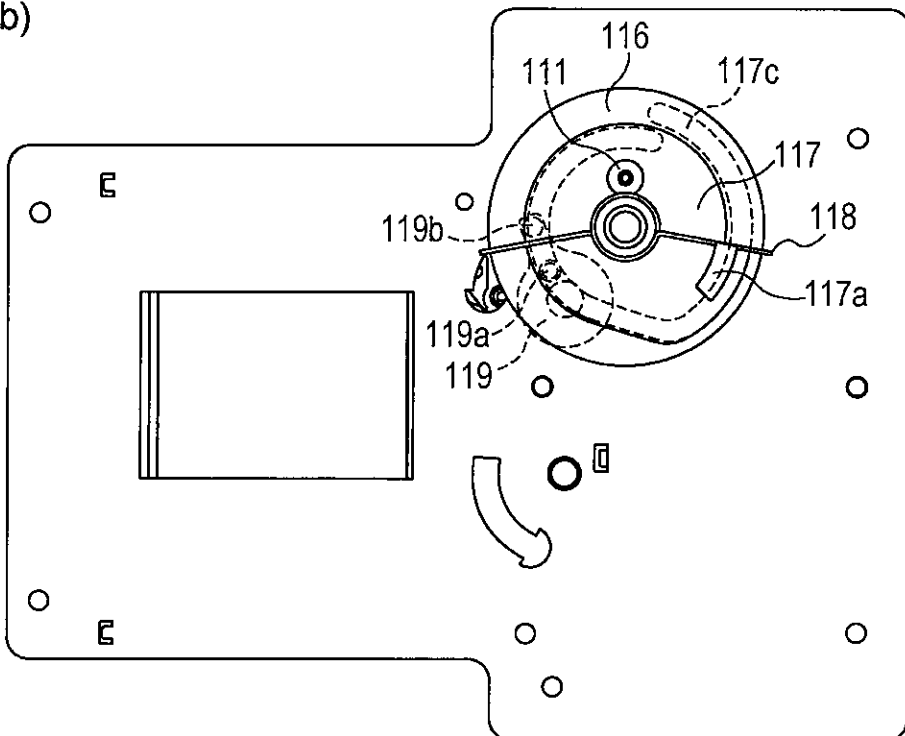


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FIG. 4

(a)

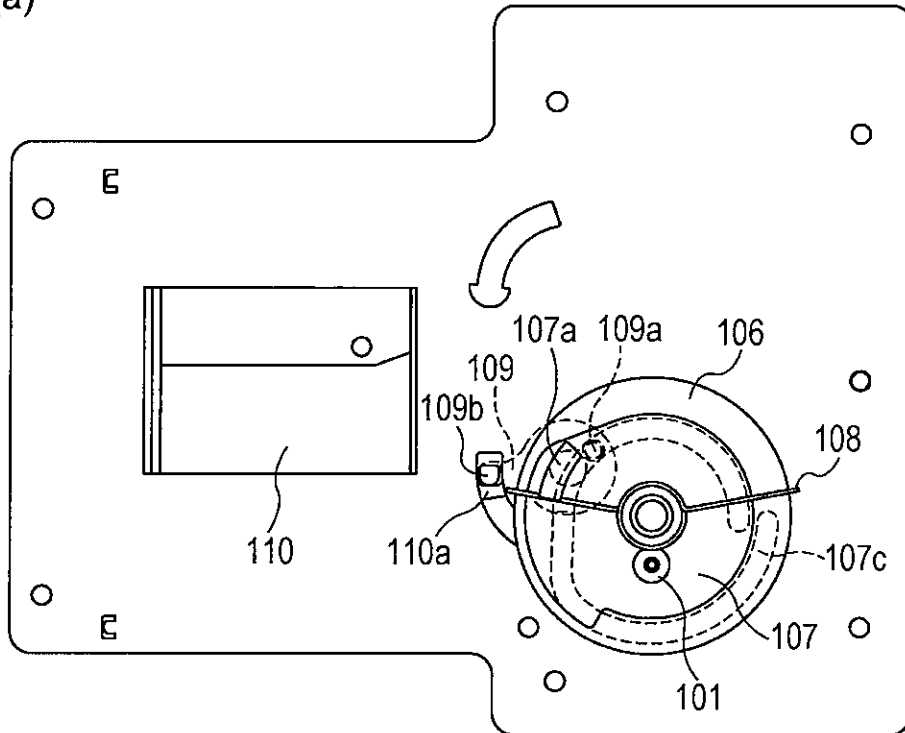


(b)

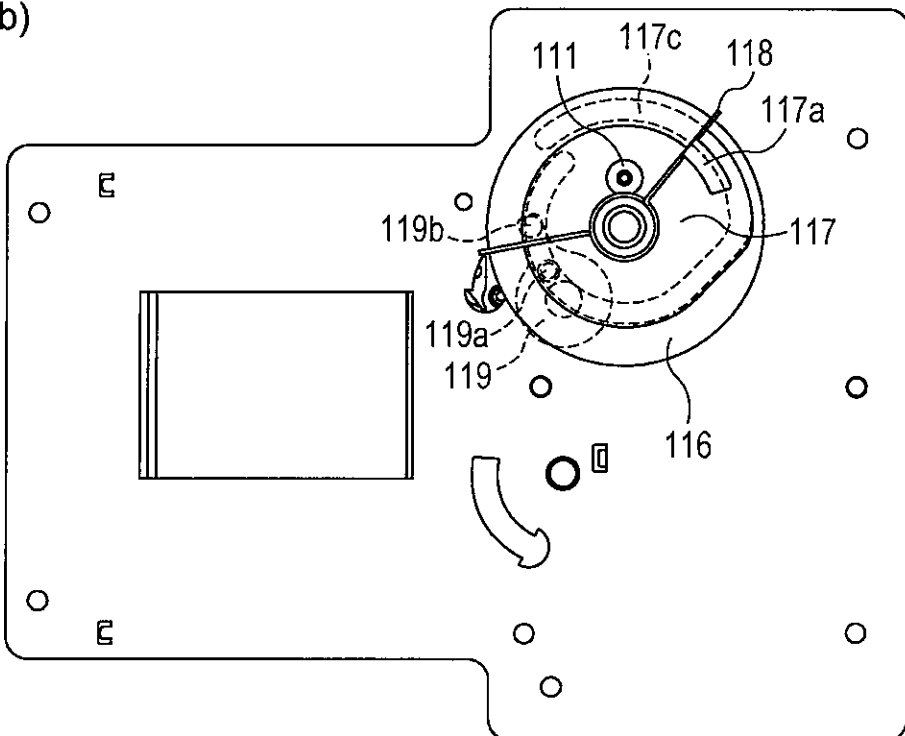


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FIG. 5

(a)

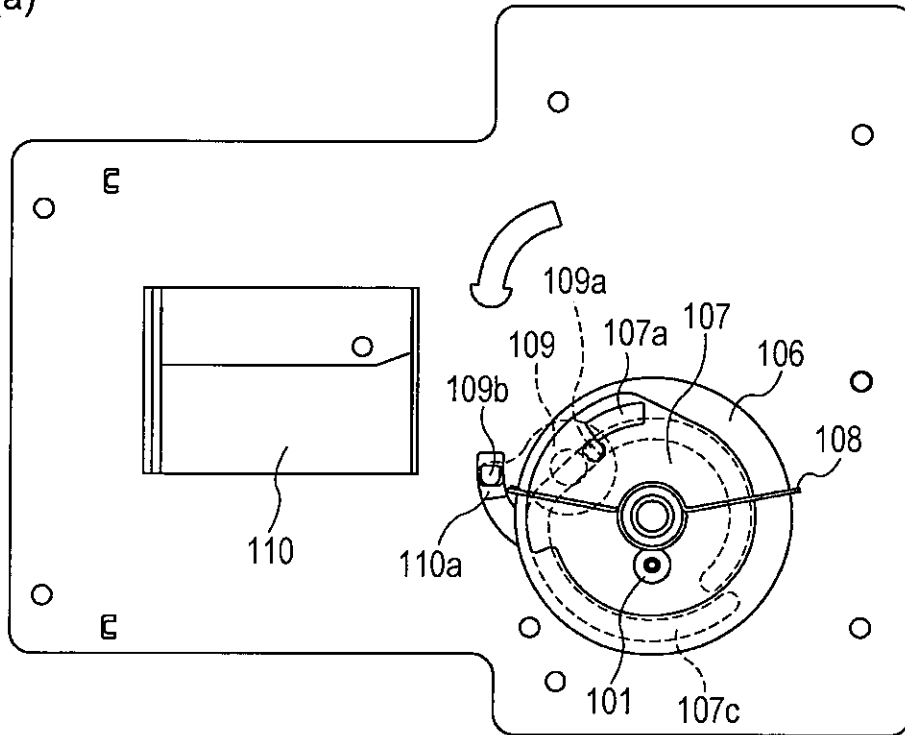


(b)

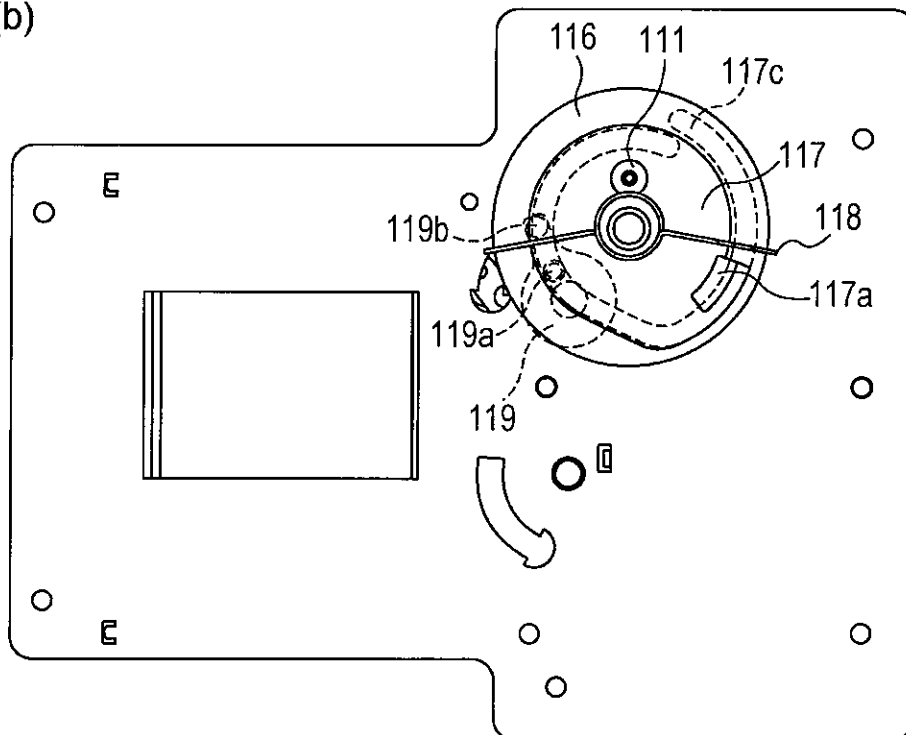


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FIG. 6

(a)

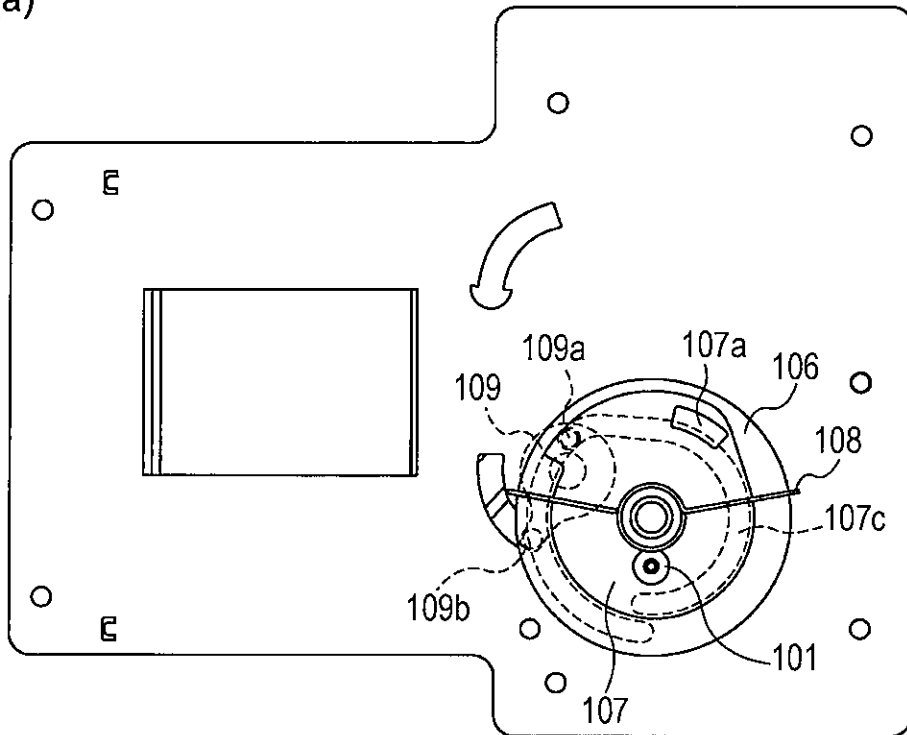


(b)

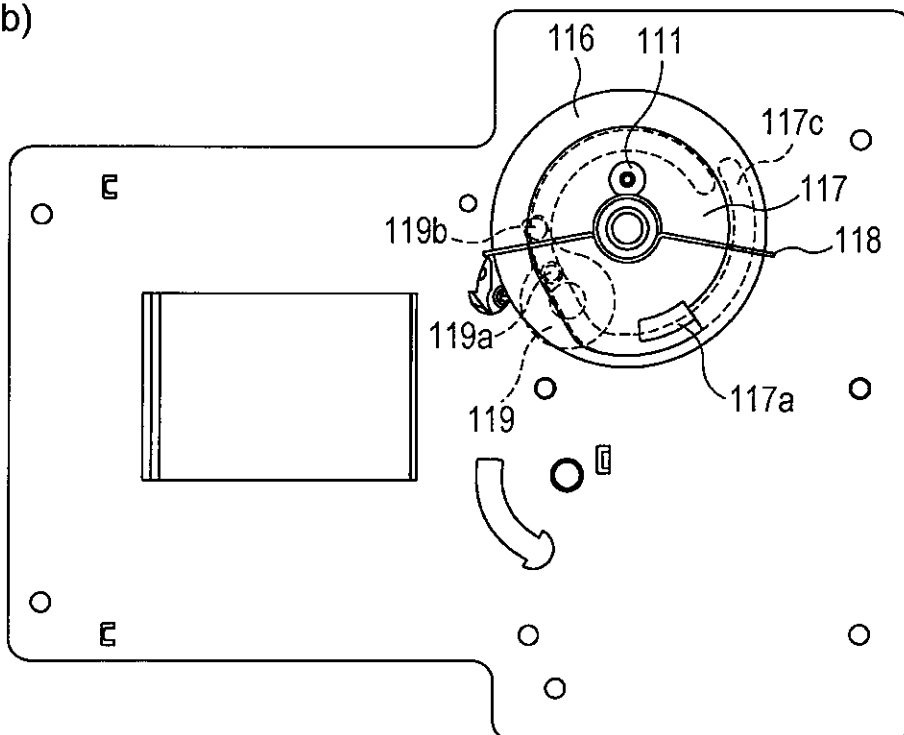


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FIG. 7

(a)

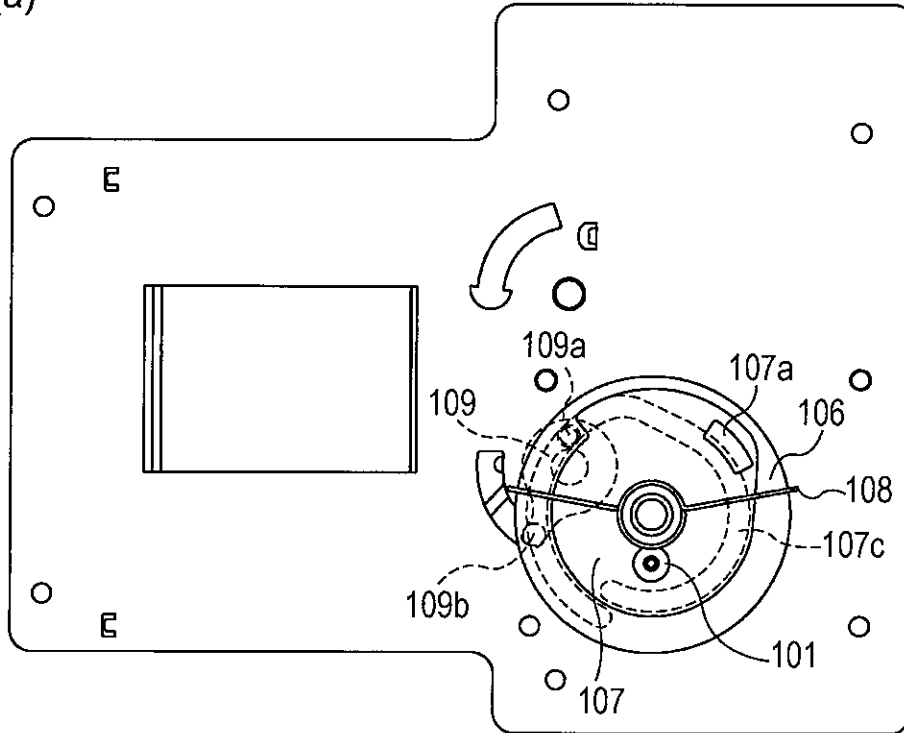


(b)

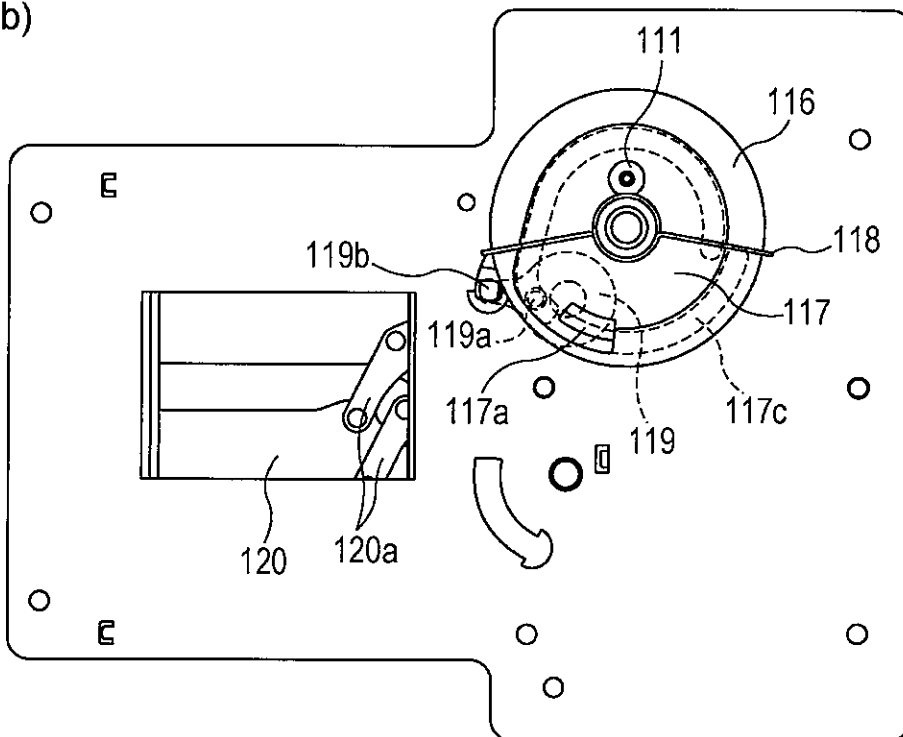


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FIG. 8

(a)

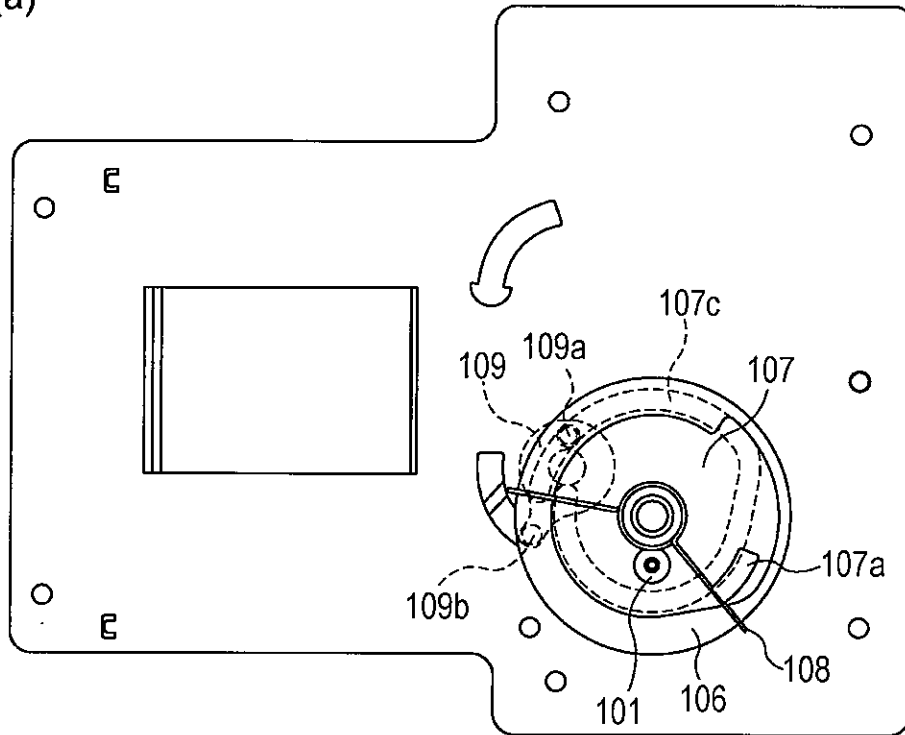


(b)

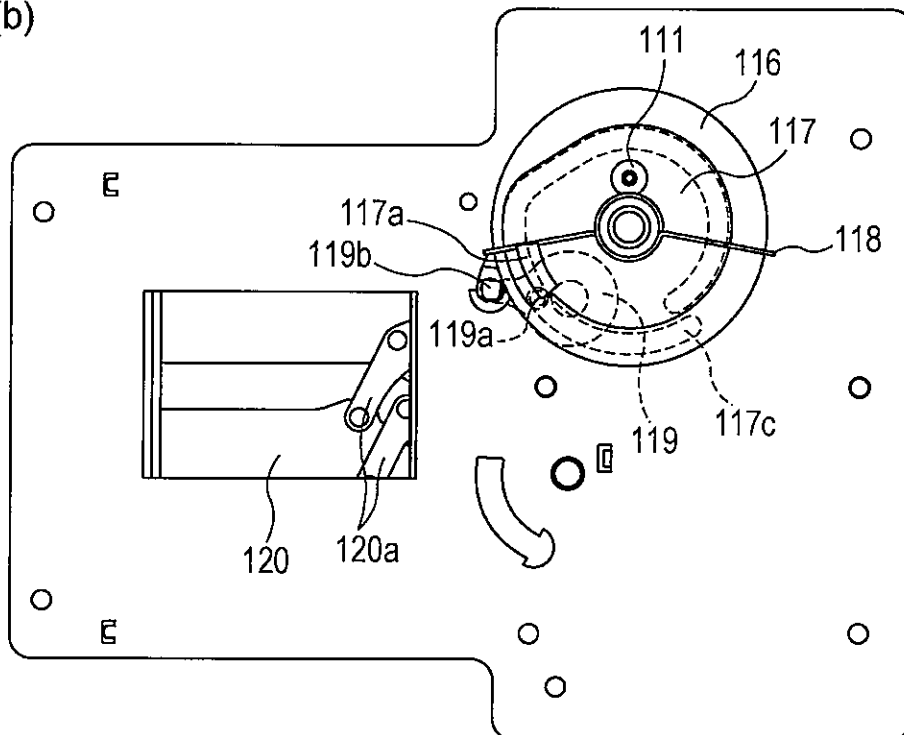


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FIG. 9

(a)

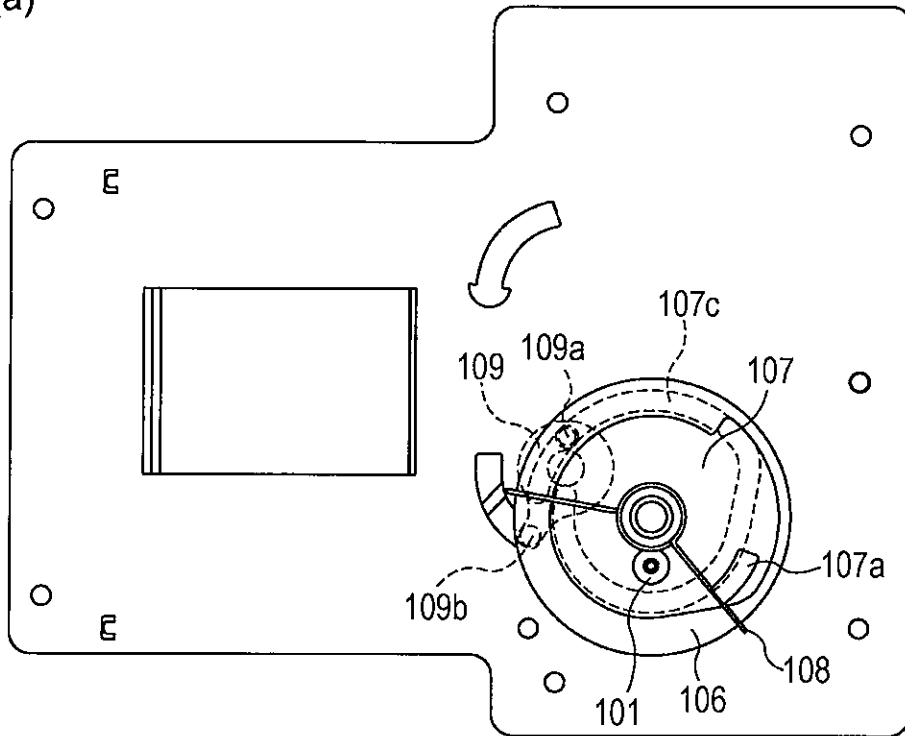


(b)

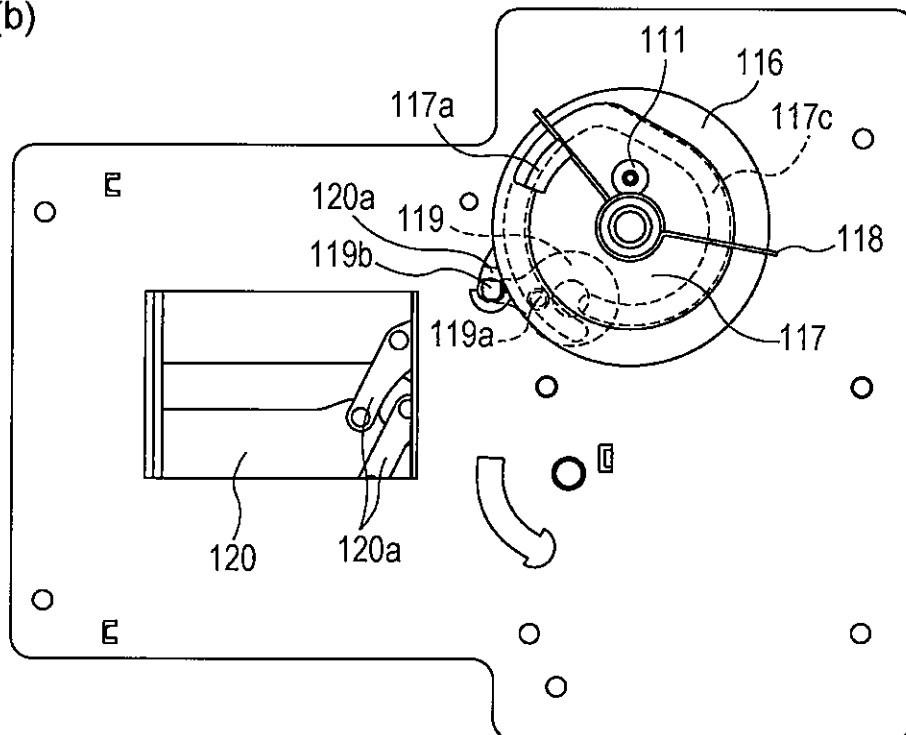


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FIG. 10

(a)

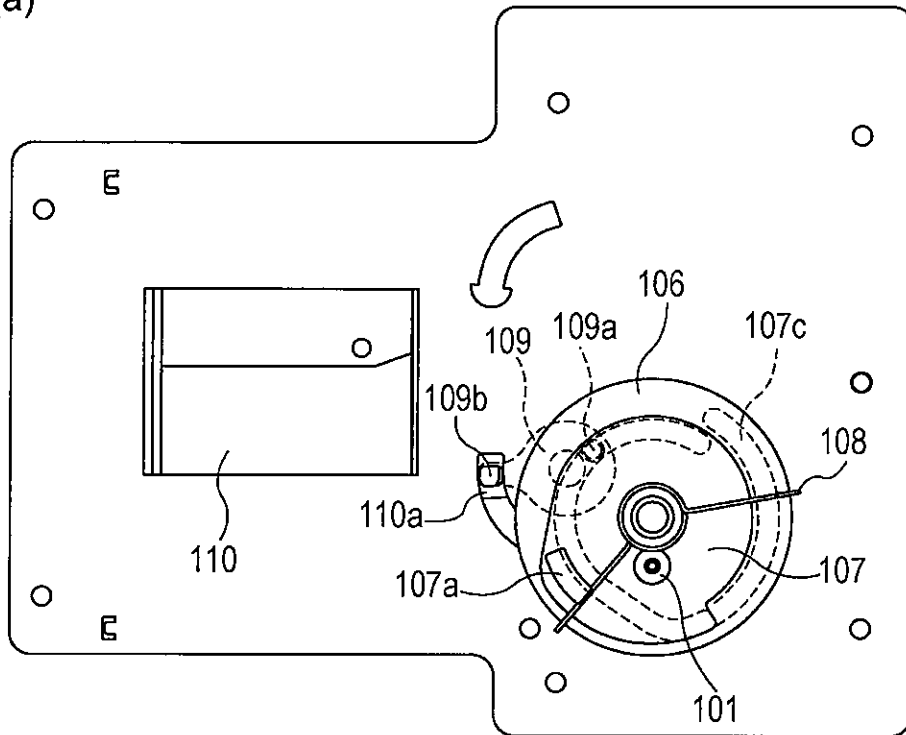


(b)



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FIG. 11

(a)



(b)

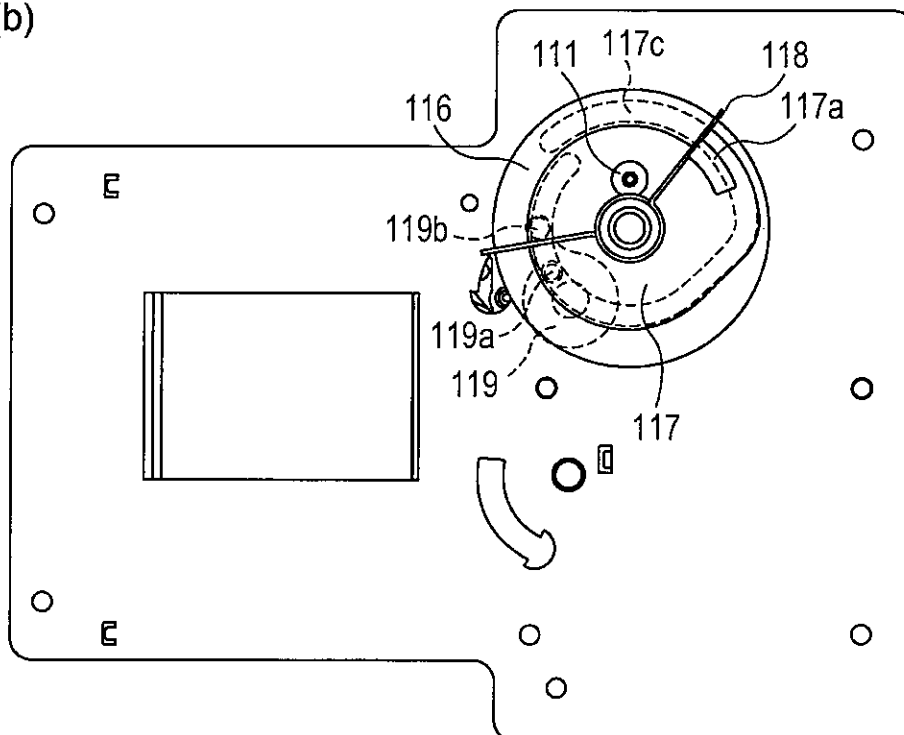


FIG. 12

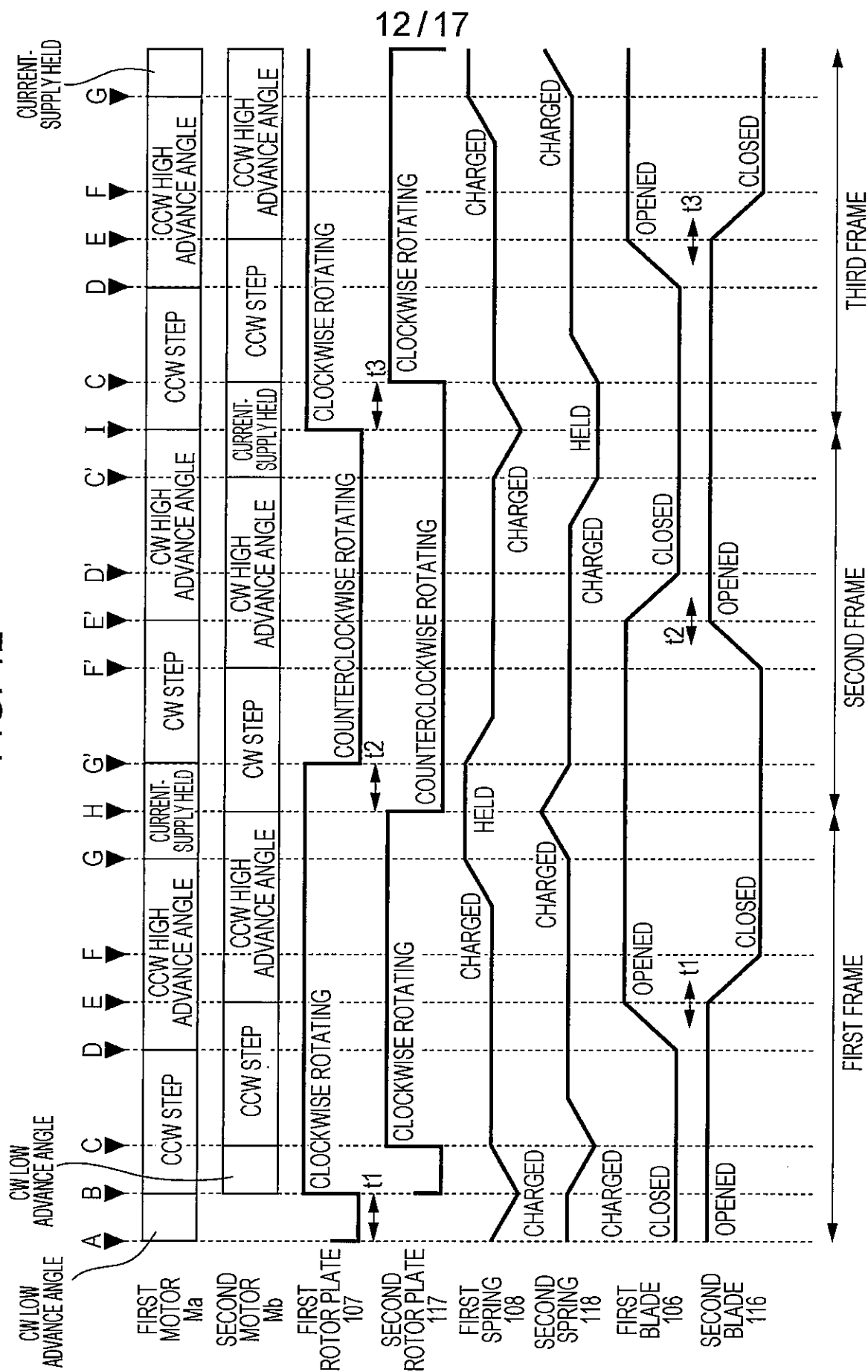


FIG. 13

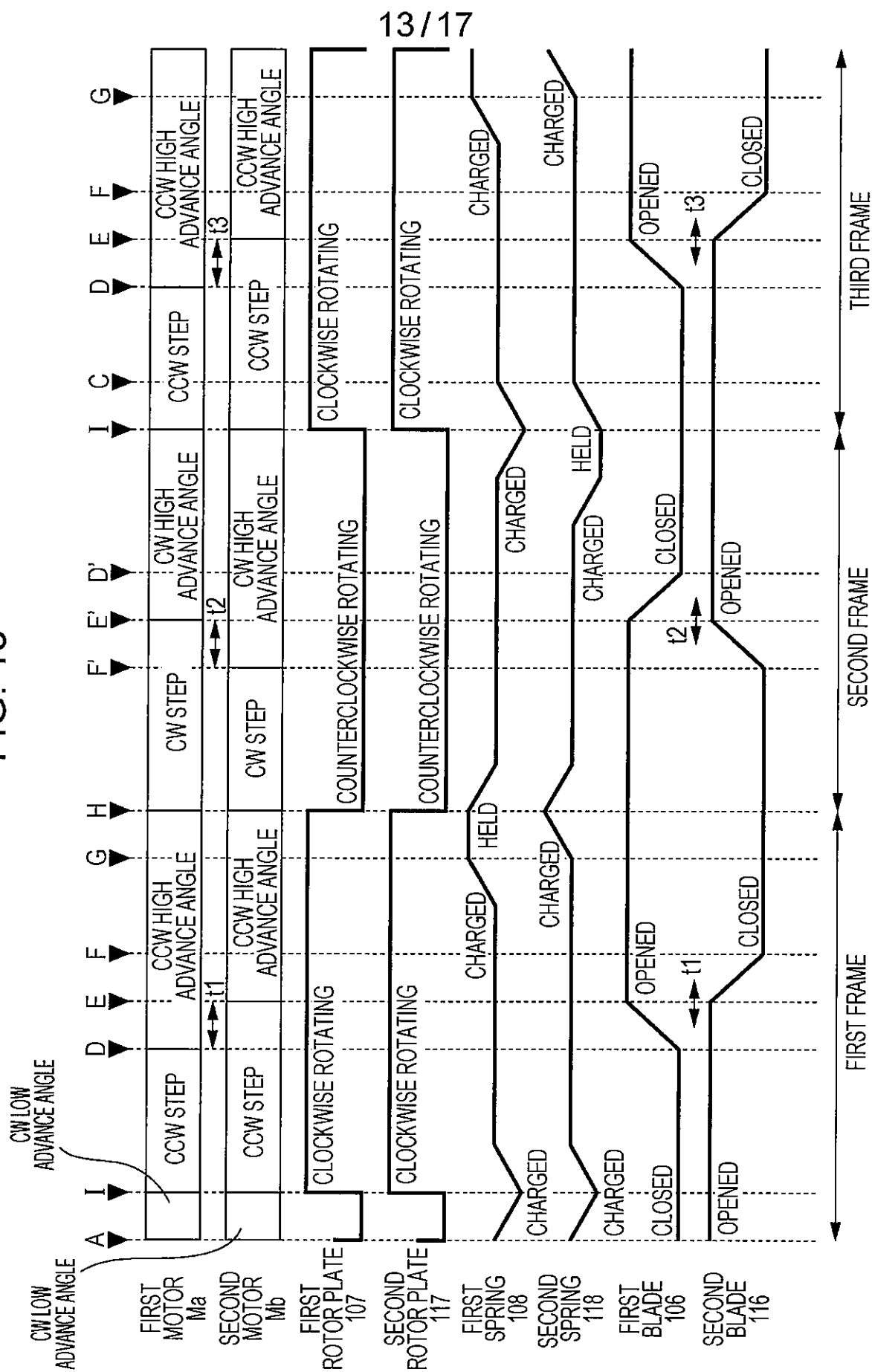


FIG. 14

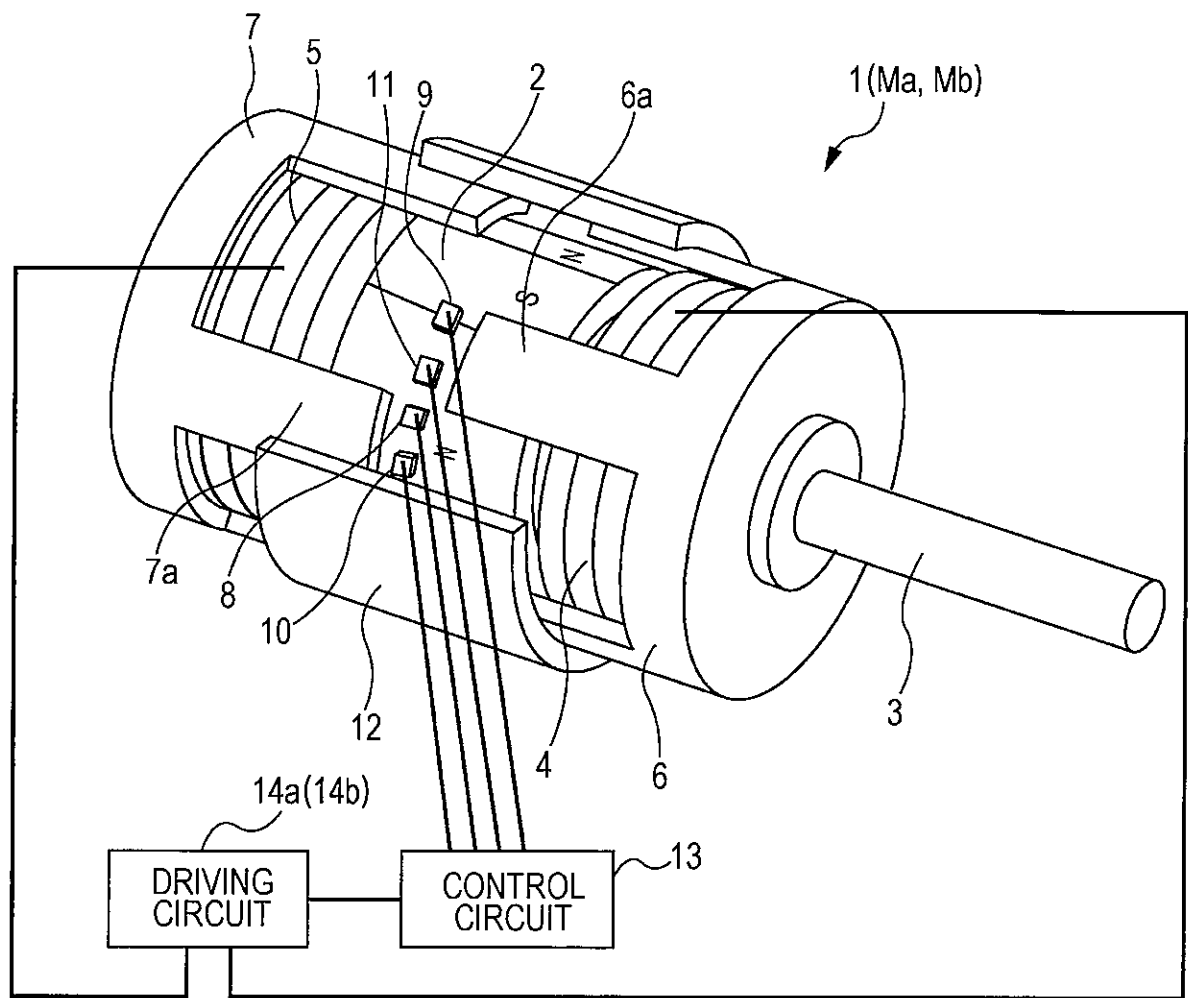


FIG. 15

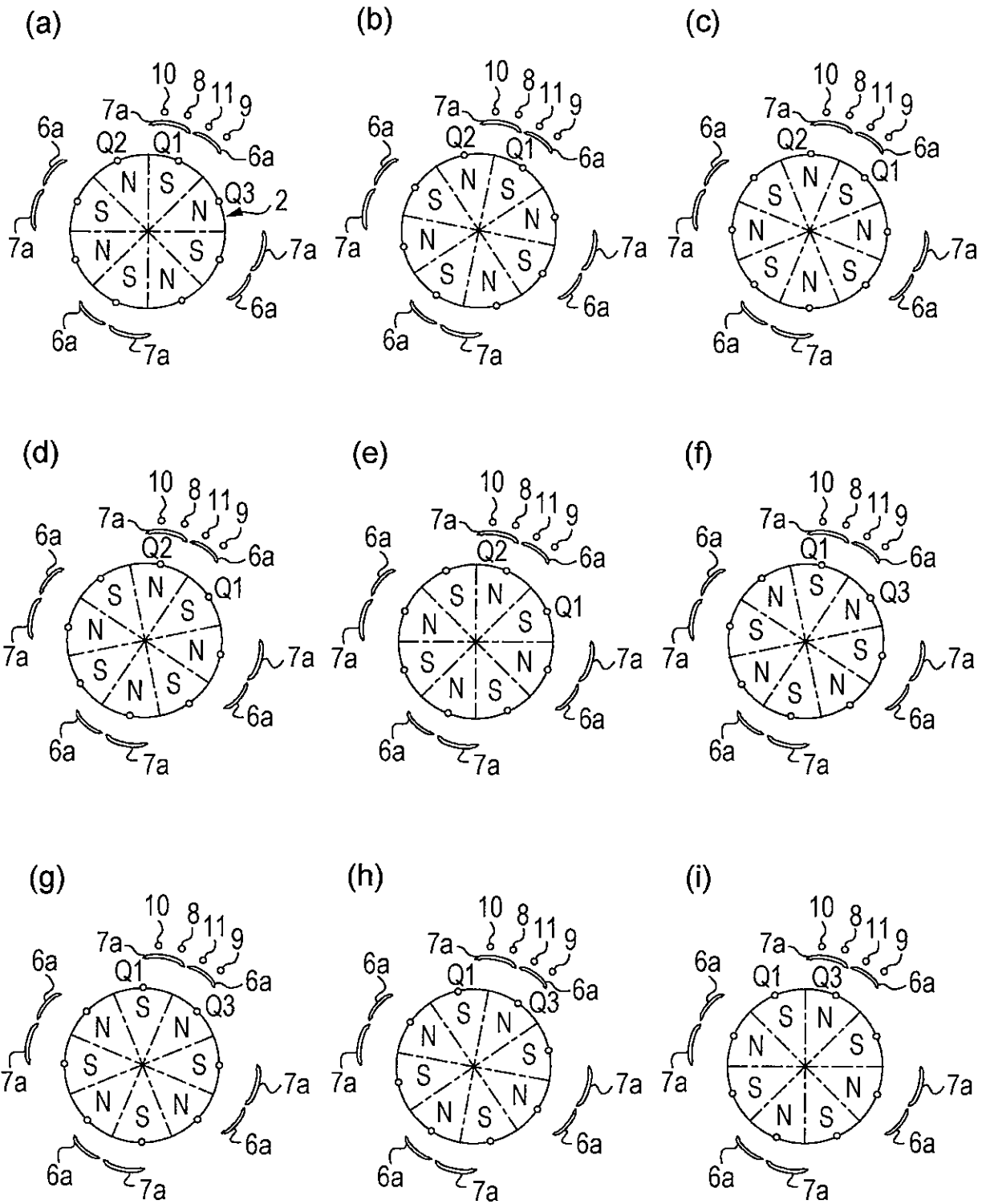
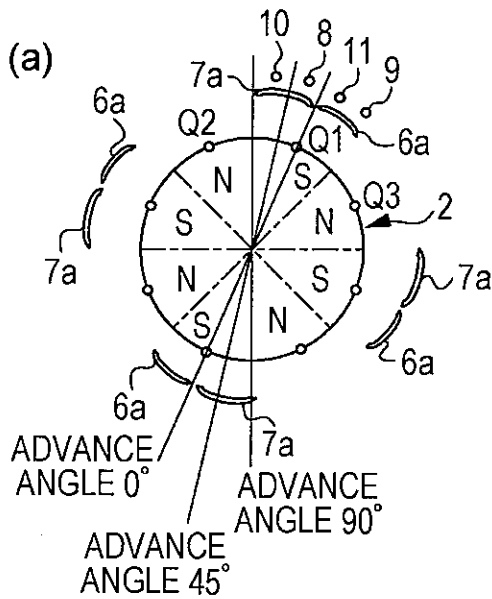
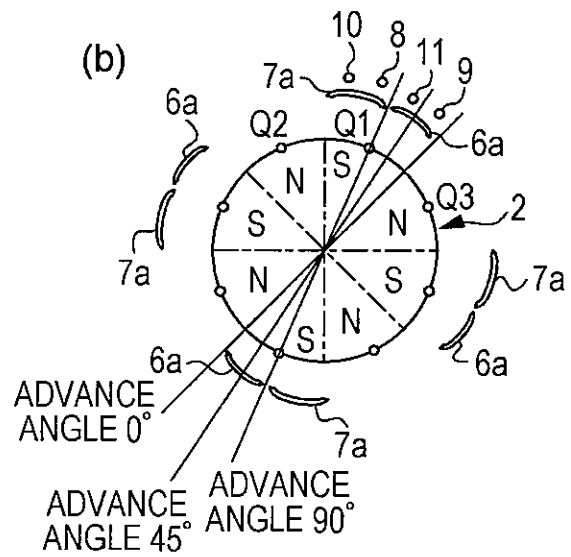


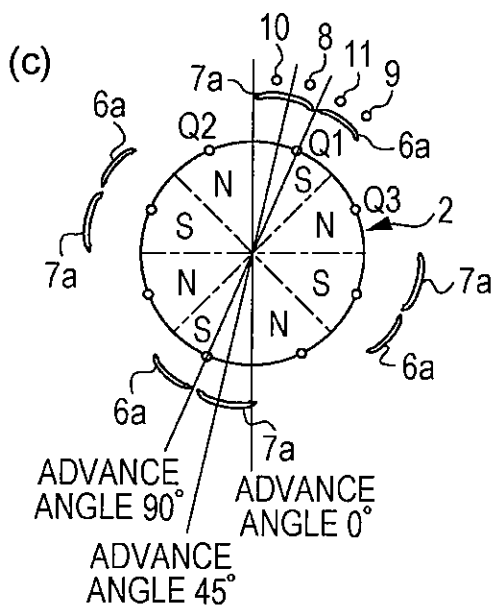
FIG. 16



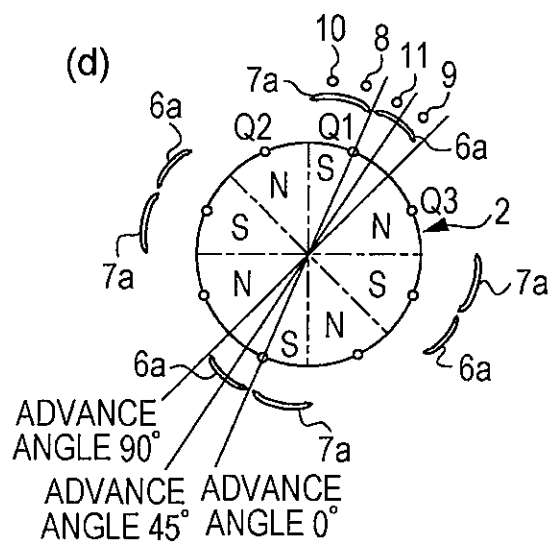
EXCITATION SWITCHING TIMING FOR
FIRST MAGNETIC POLE SECTION
DURING CLOCKWISE DRIVING



EXCITATION SWITCHING TIMING FOR
SECOND MAGNETIC POLE SECTION
DURING CLOCKWISE DRIVING



EXCITATION SWITCHING TIMING FOR
FIRST MAGNETIC POLE SECTION
DURING COUNTERCLOCKWISE DRIVING



EXCITATION SWITCHING TIMING FOR
SECOND MAGNETIC POLE SECTION
DURING COUNTERCLOCKWISE DRIVING

FIG. 17

