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FIG. 1A

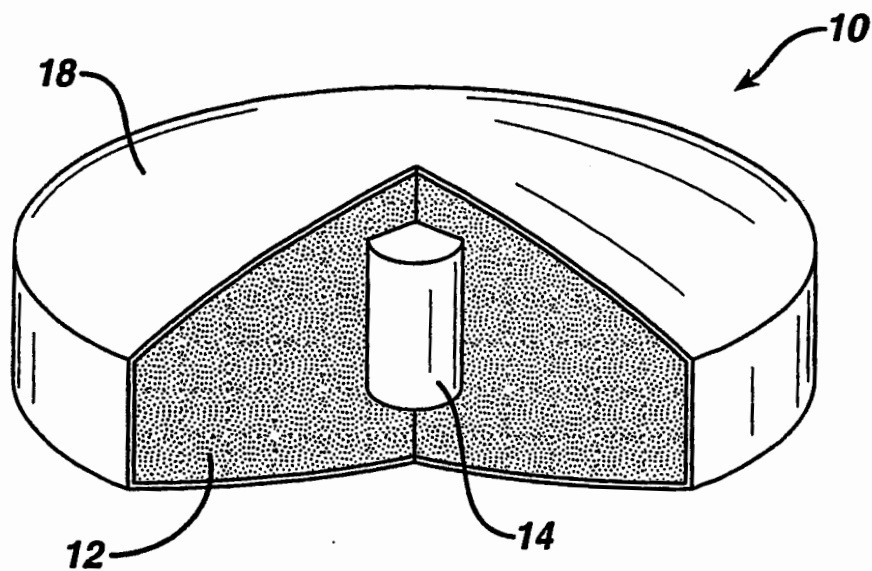
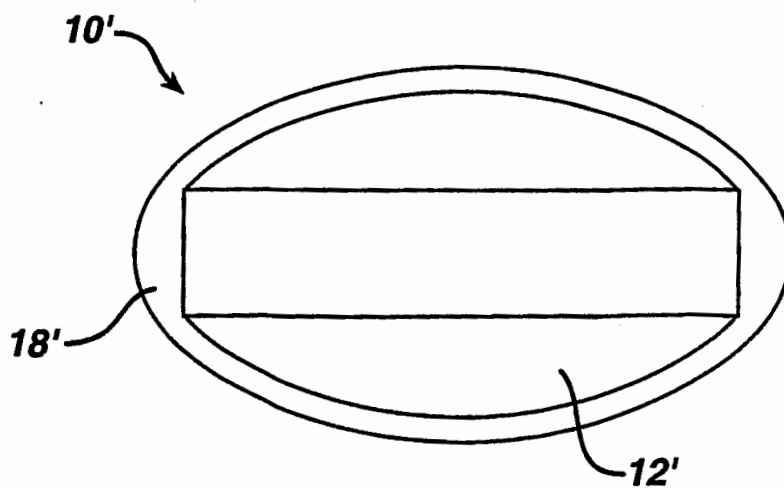
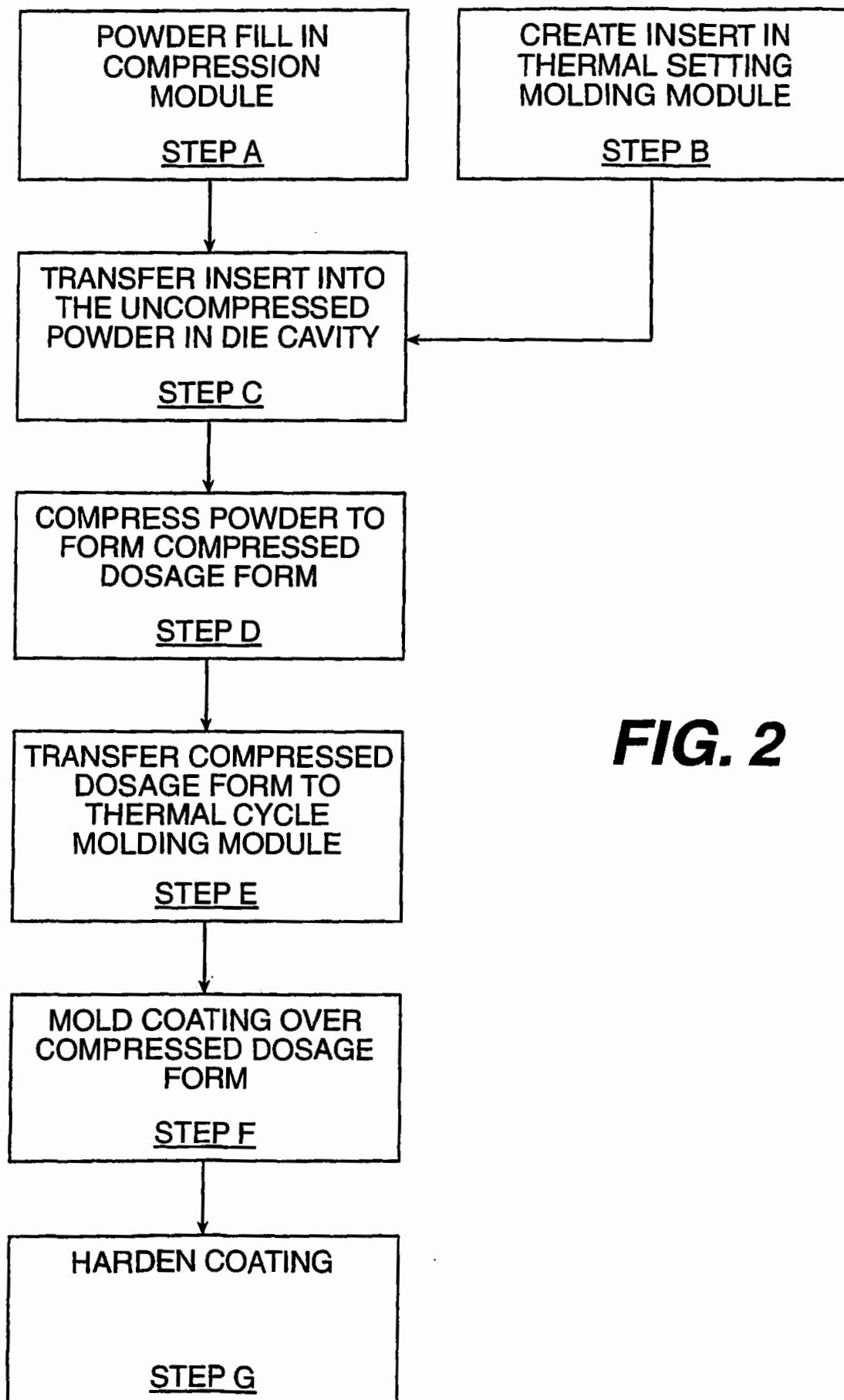


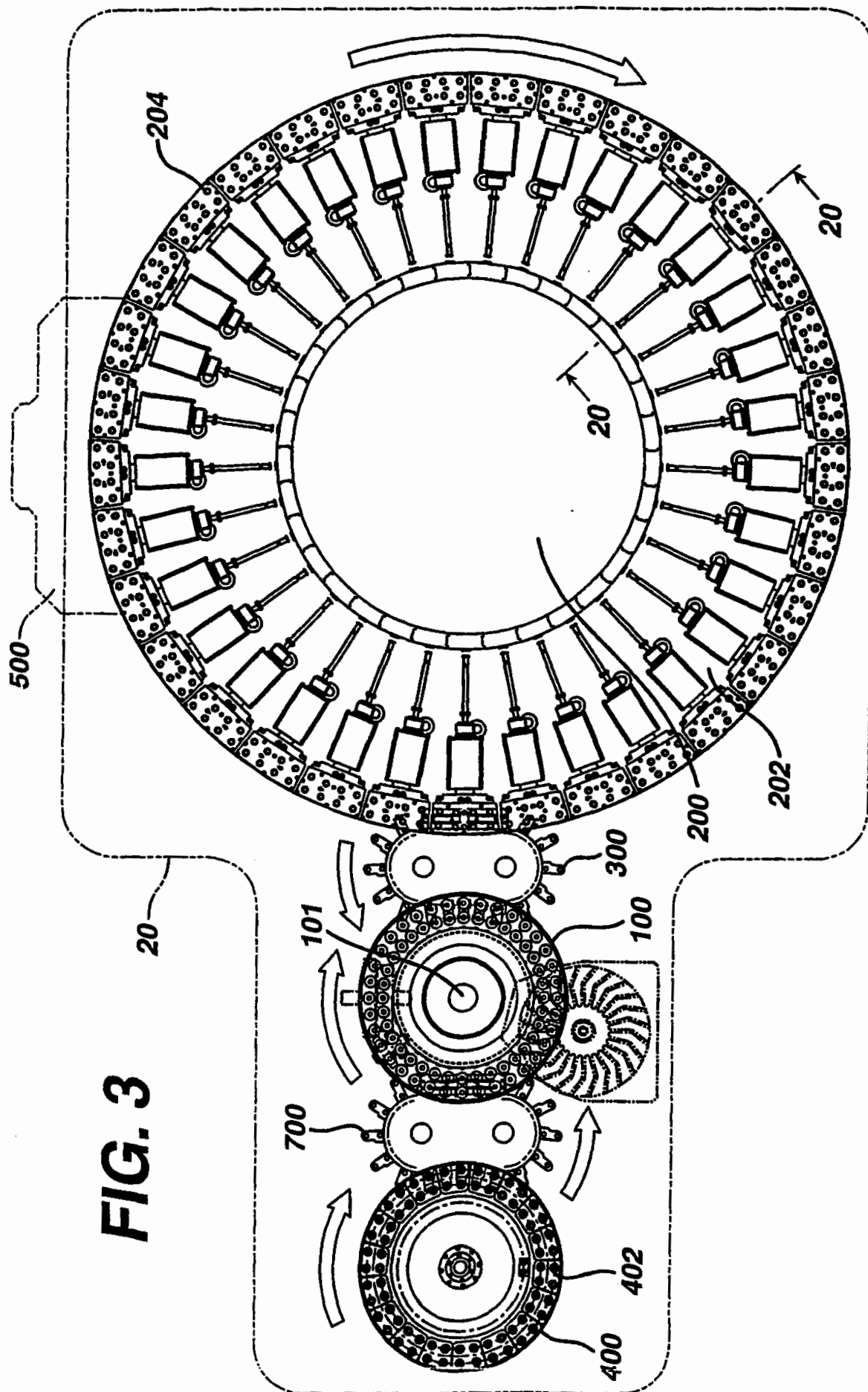
FIG. 1B



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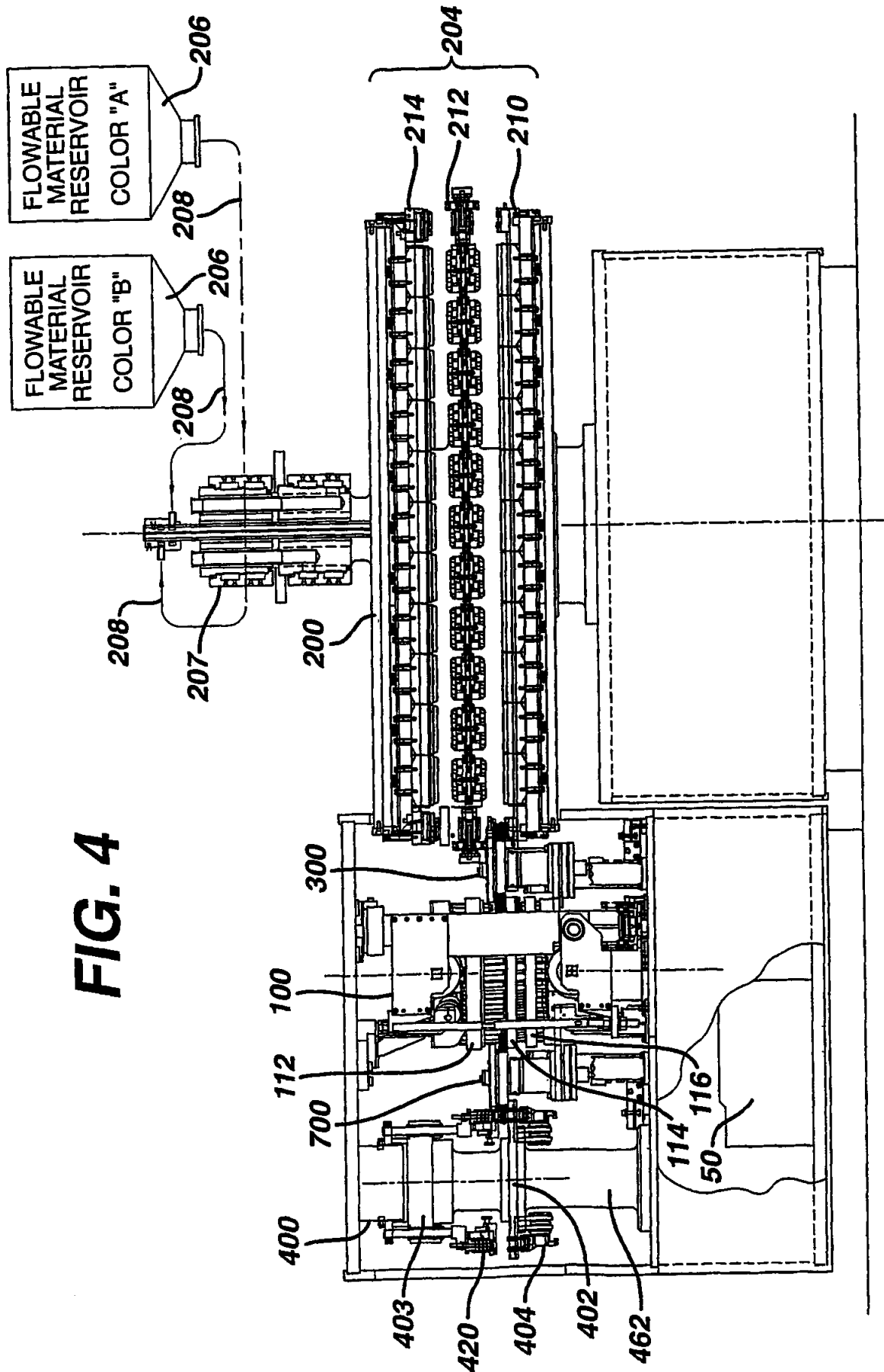
**FIG. 2**

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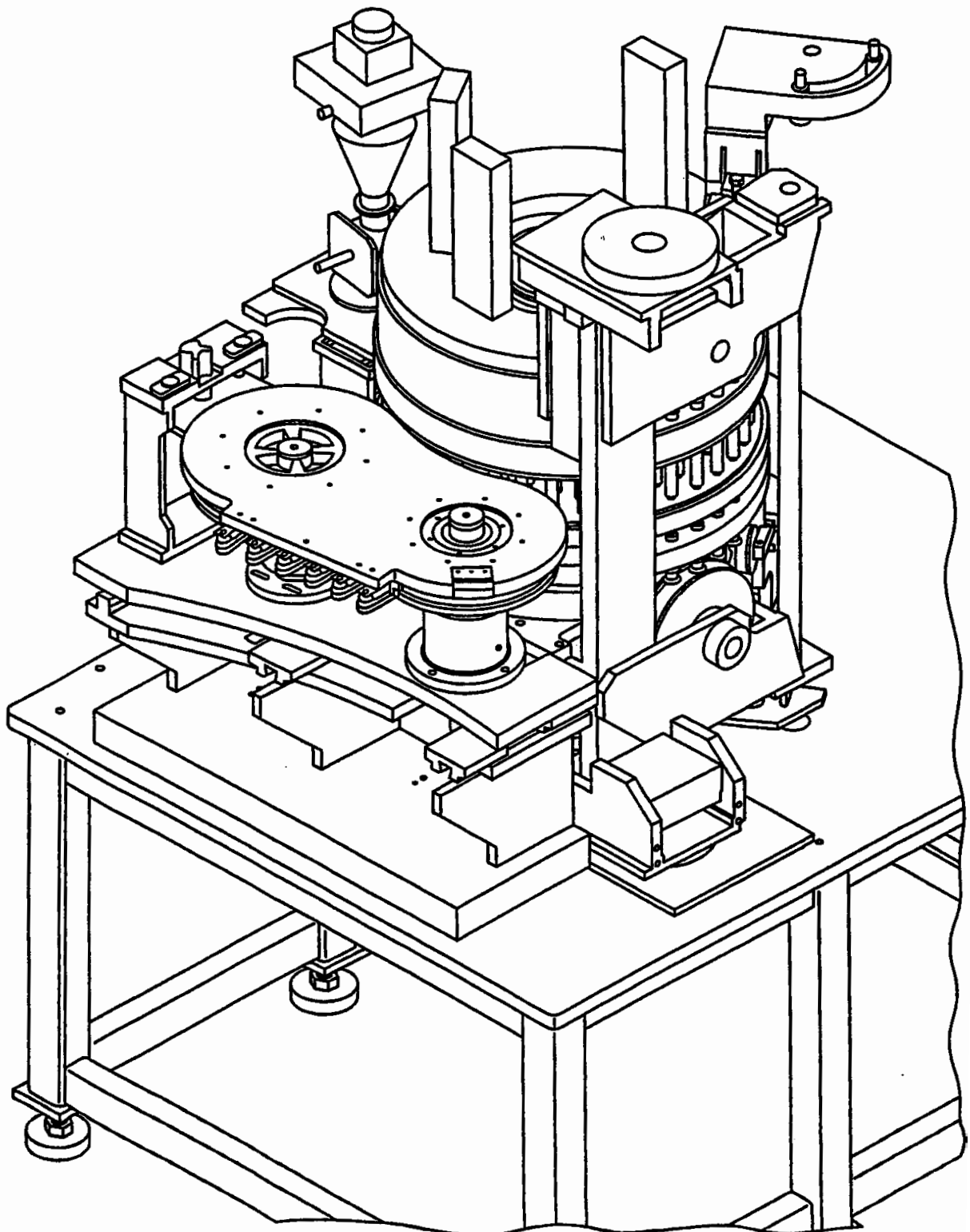
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FIG. 4



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FIG. 5



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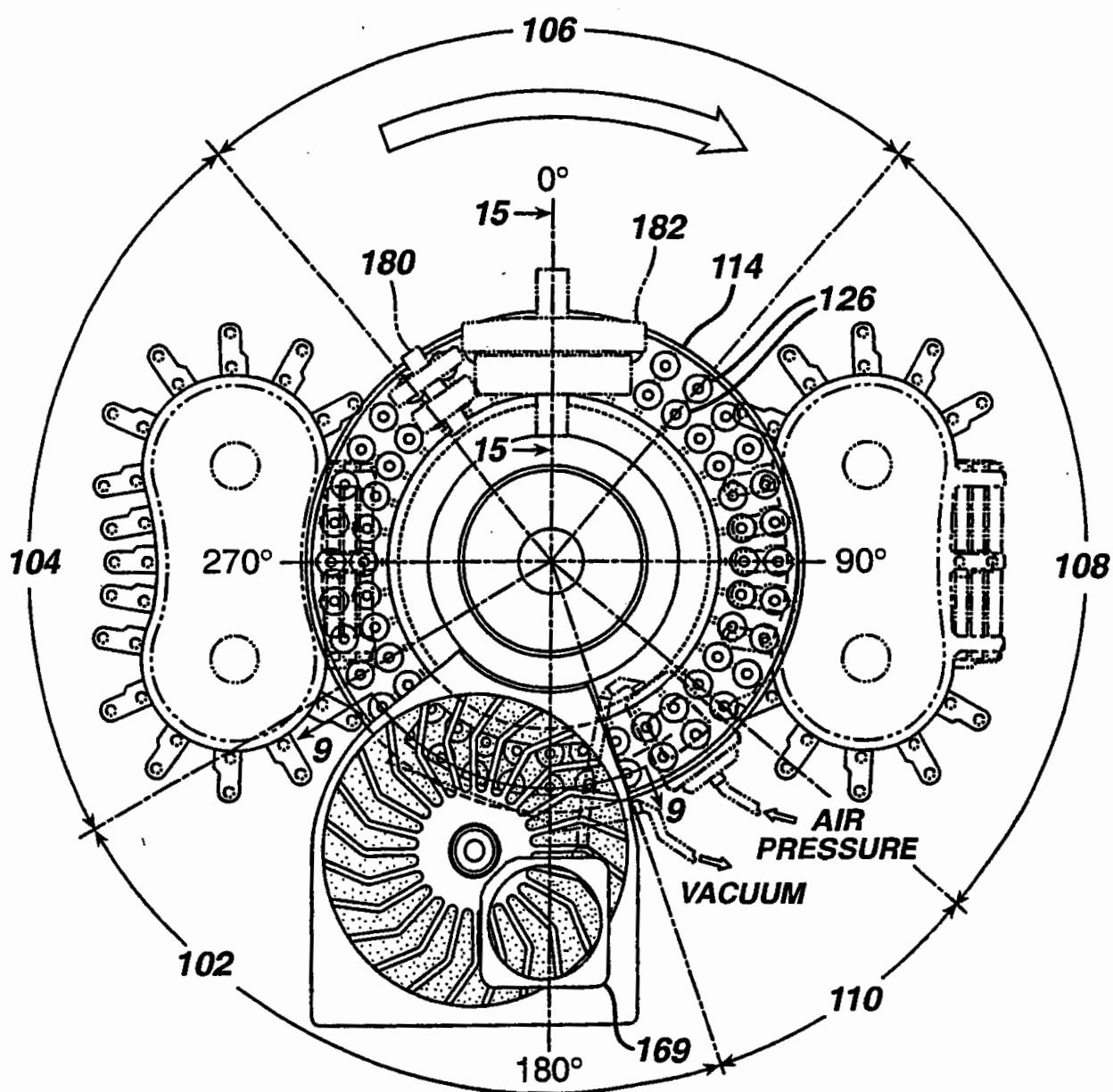
FIG. 6

FIG. 7

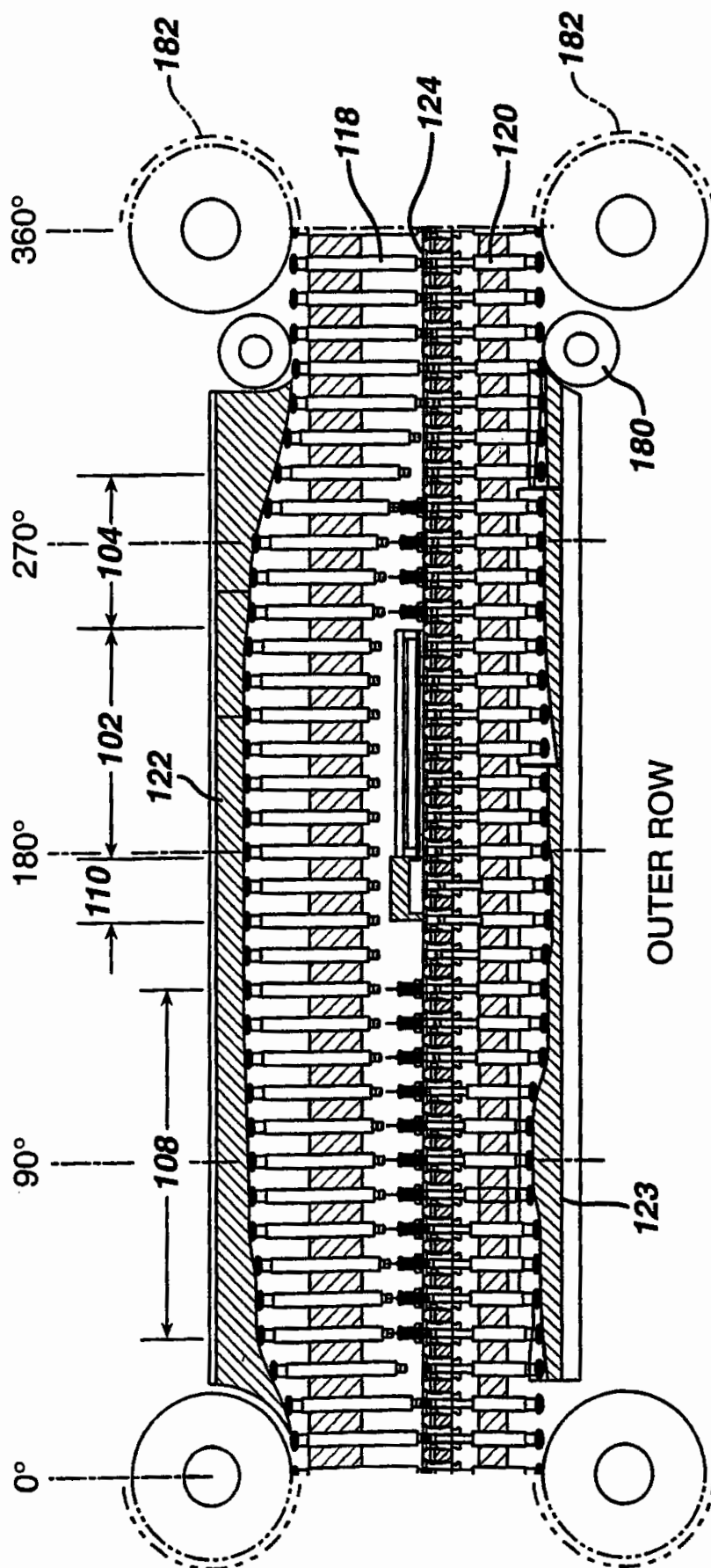
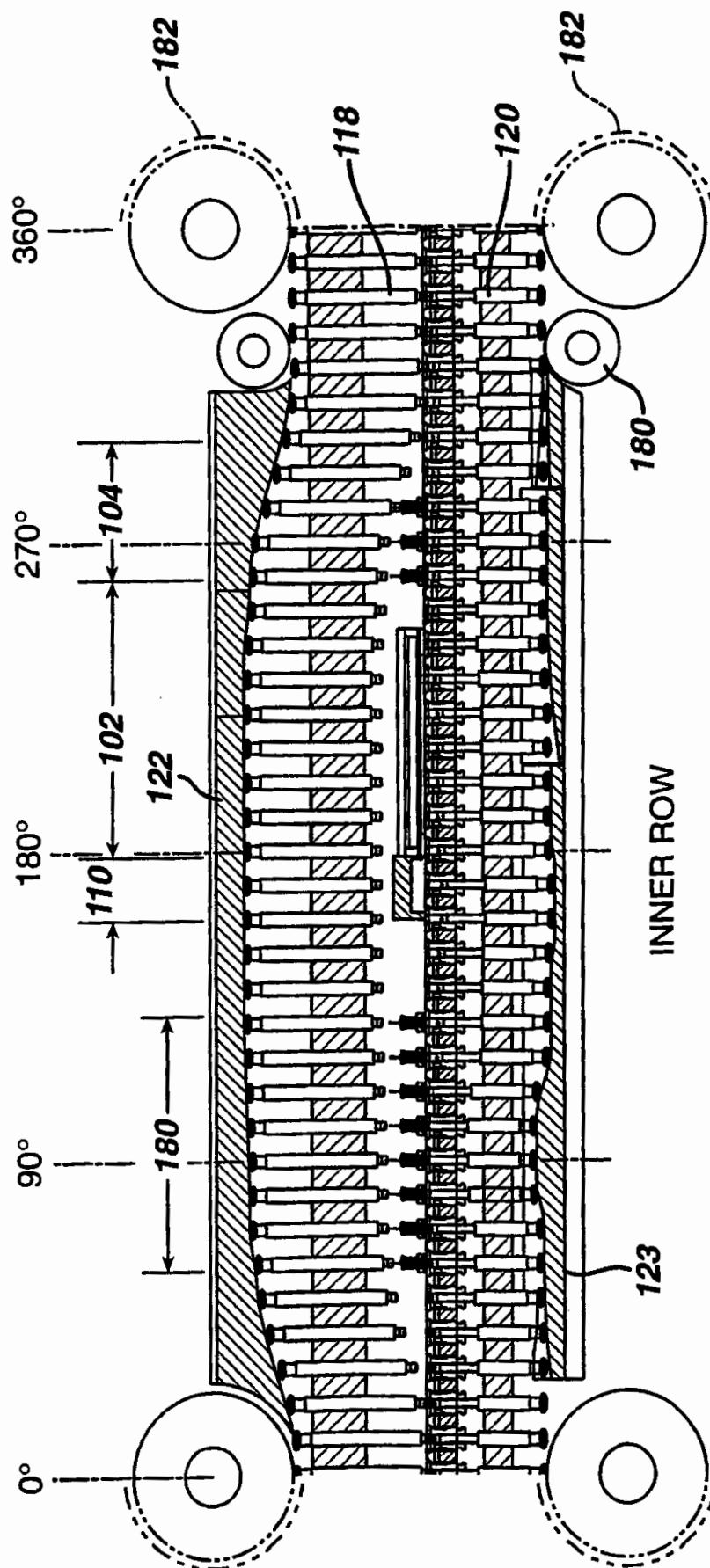
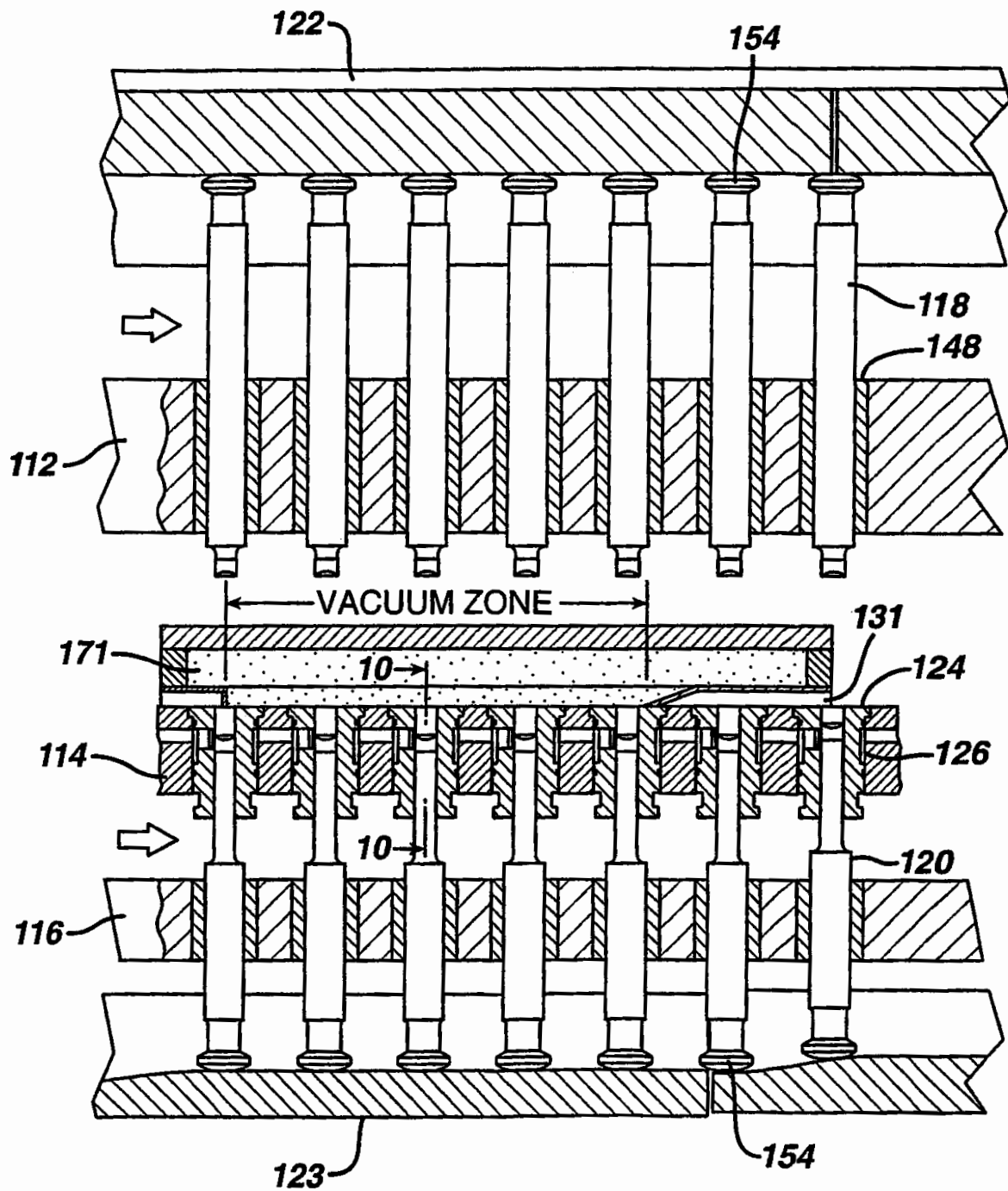


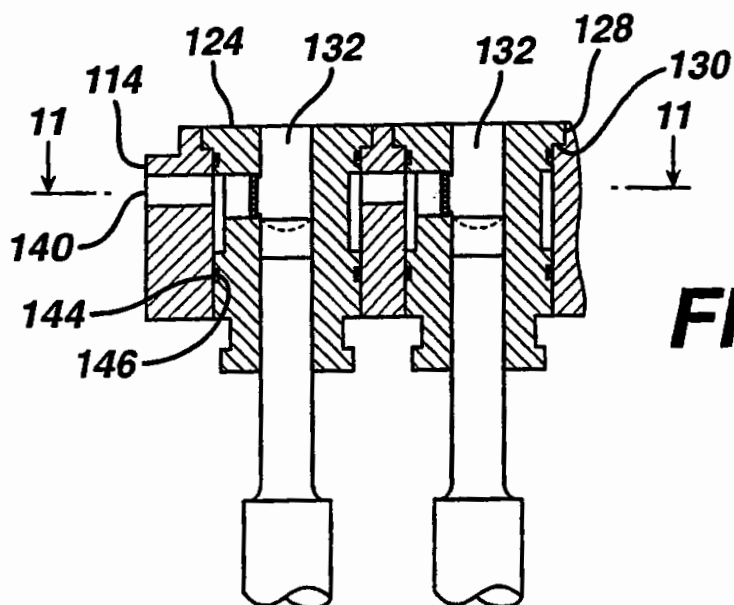
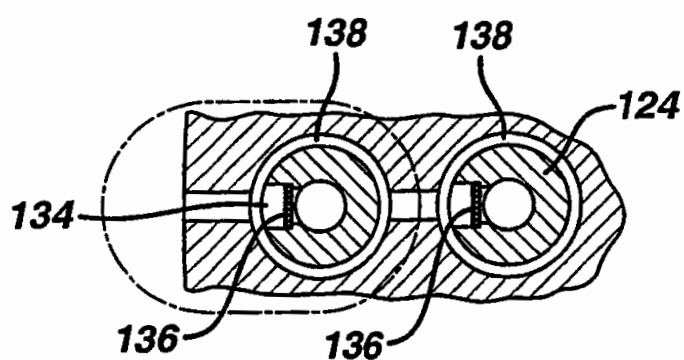
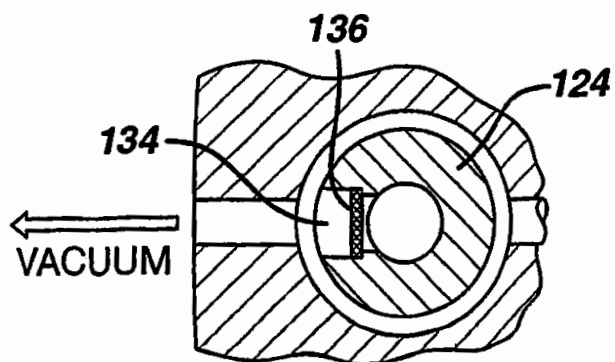
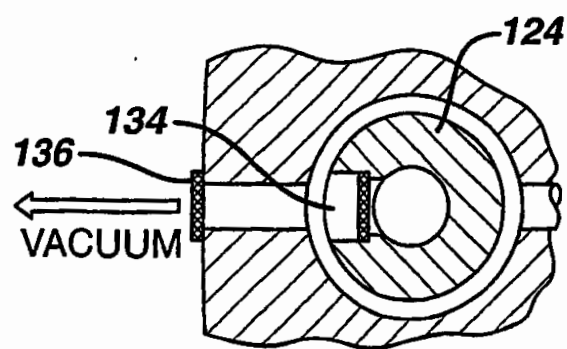
FIG. 8



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FIG. 9

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**FIG. 10****FIG. 11****FIG. 12****FIG. 12A**

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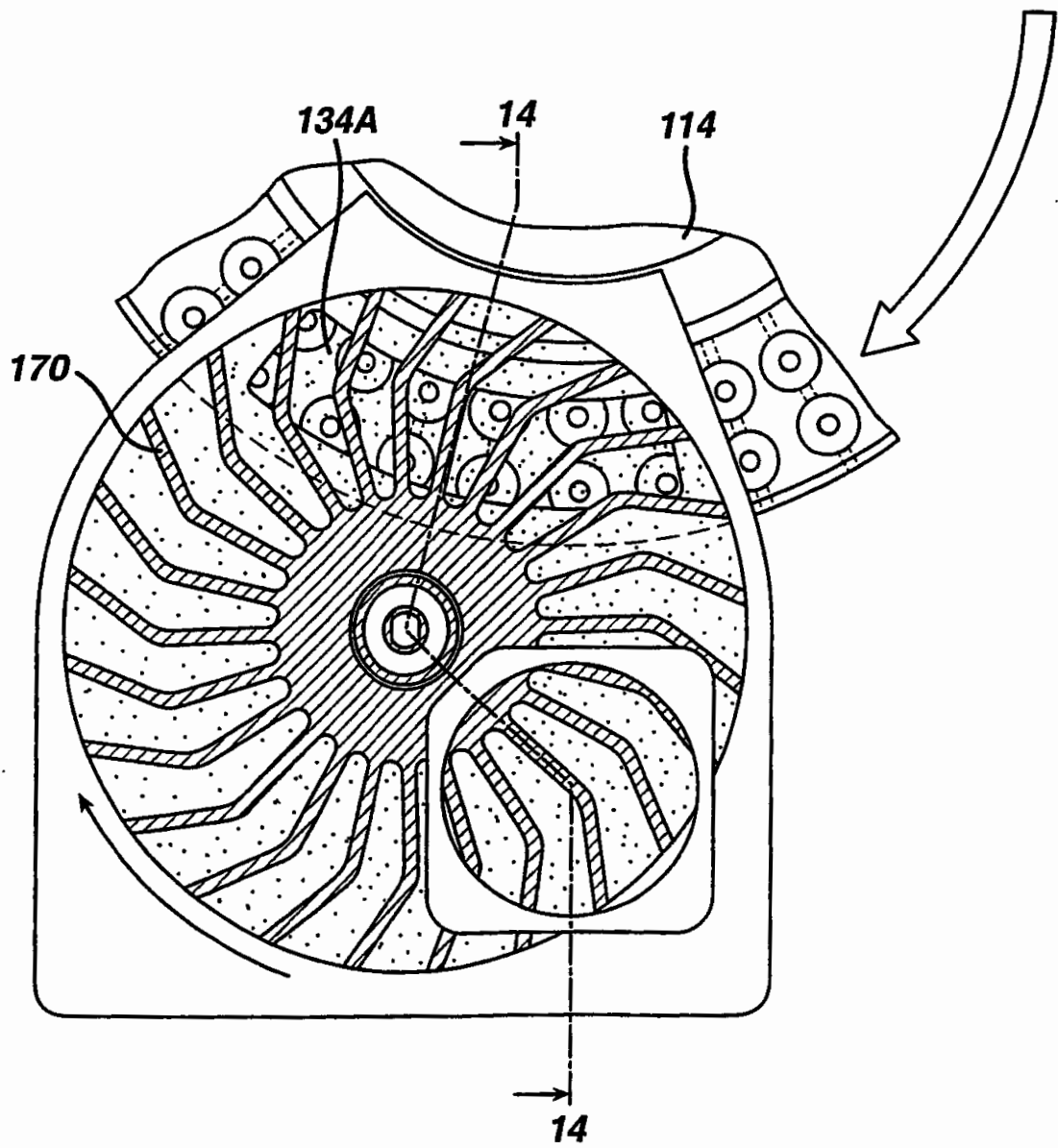
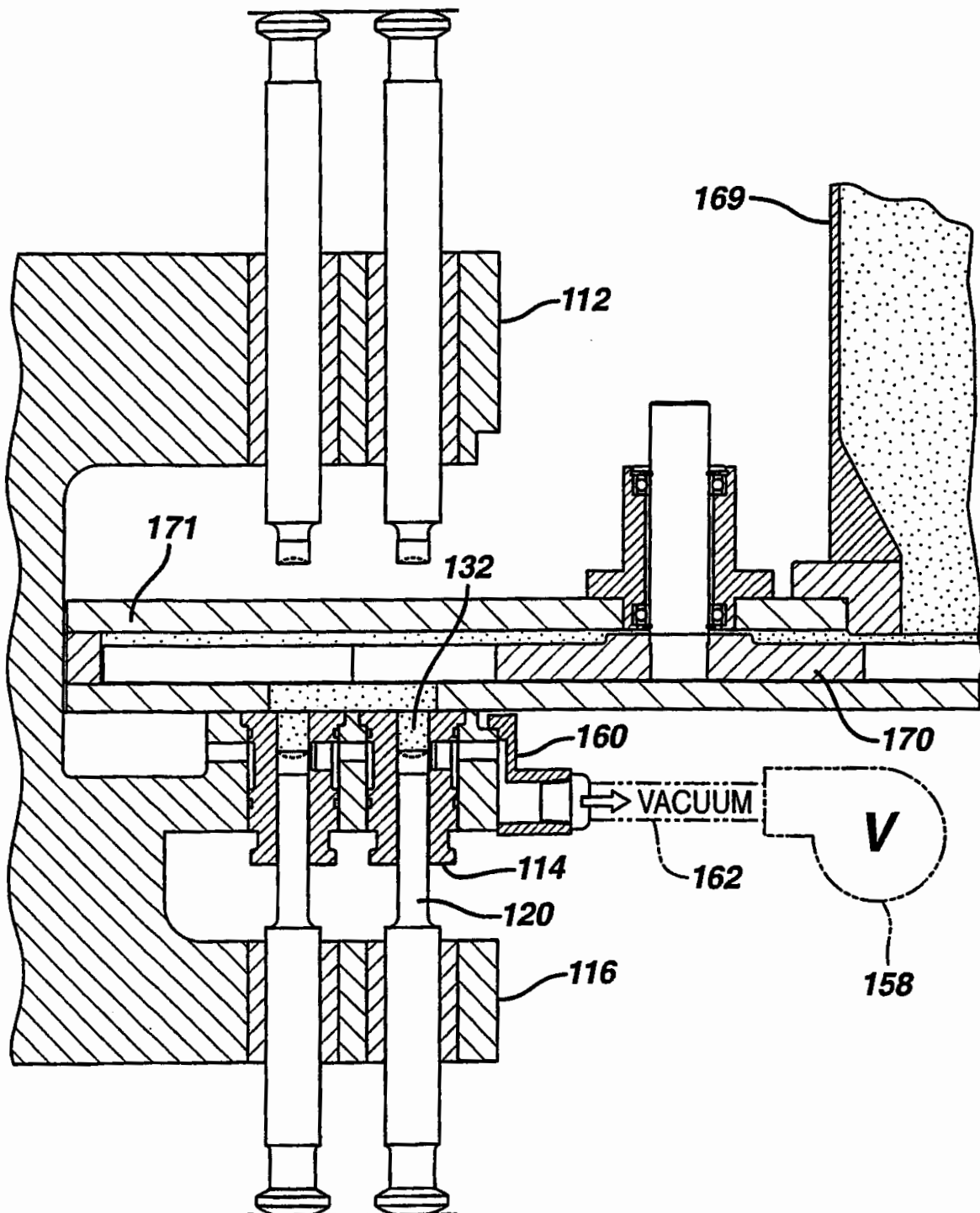
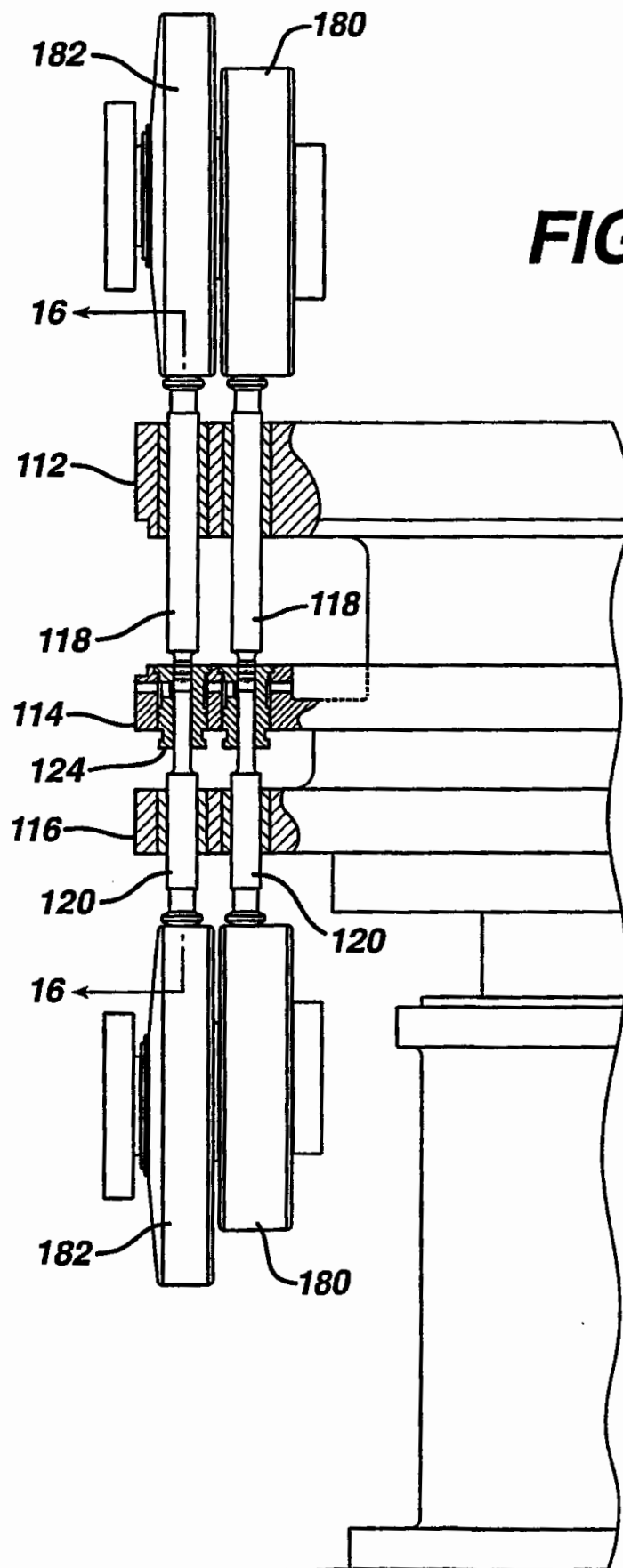
FIG. 13

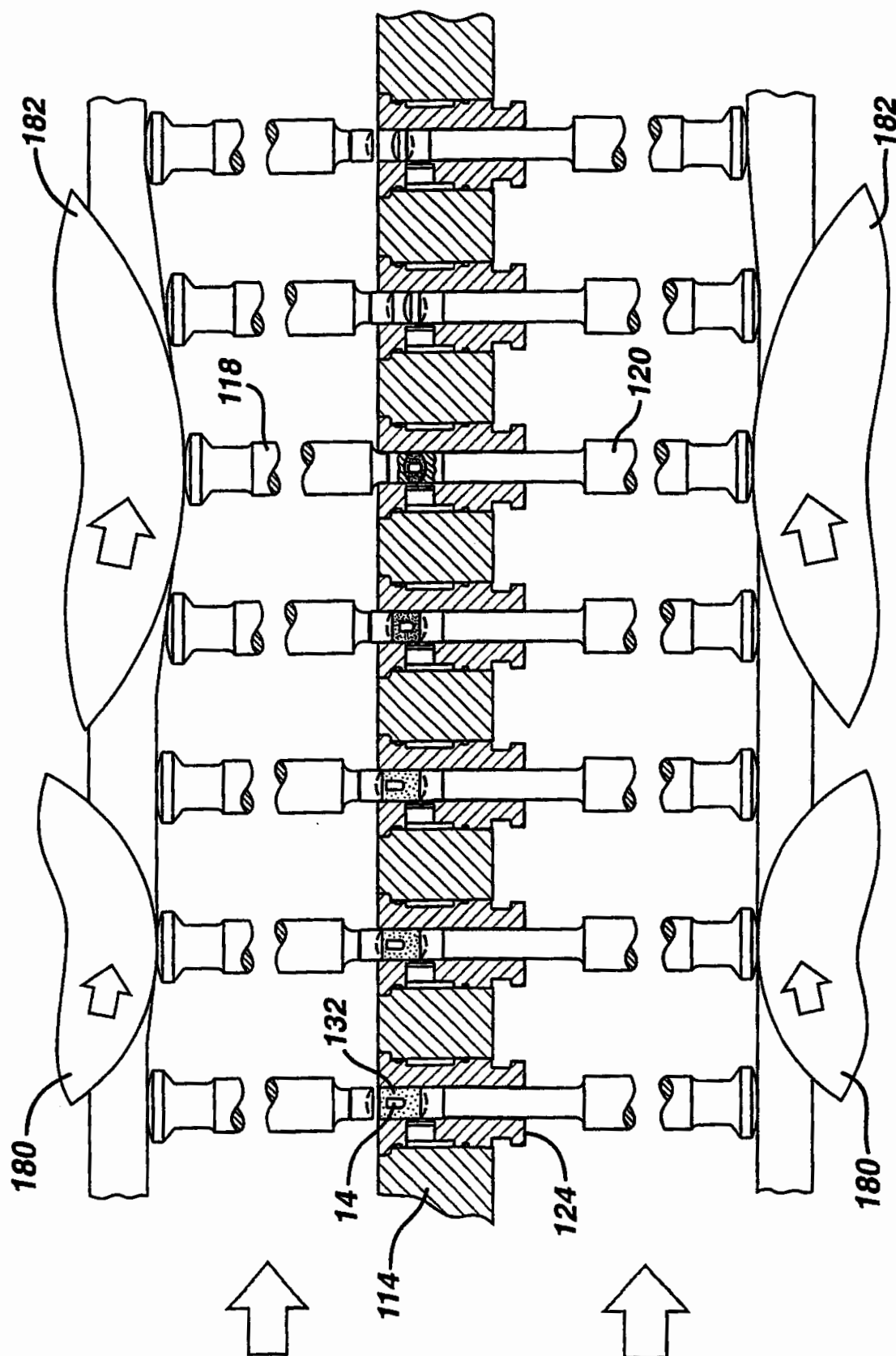
FIG. 14



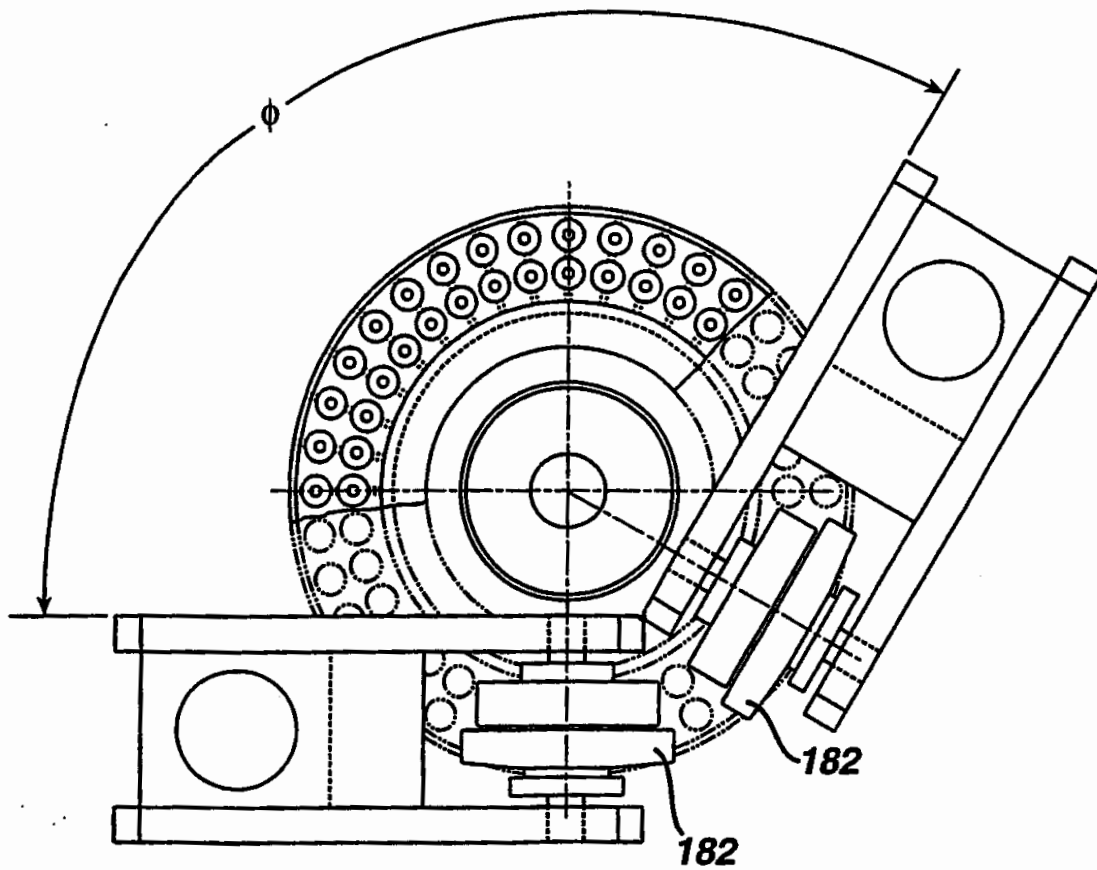
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**FIG. 15**

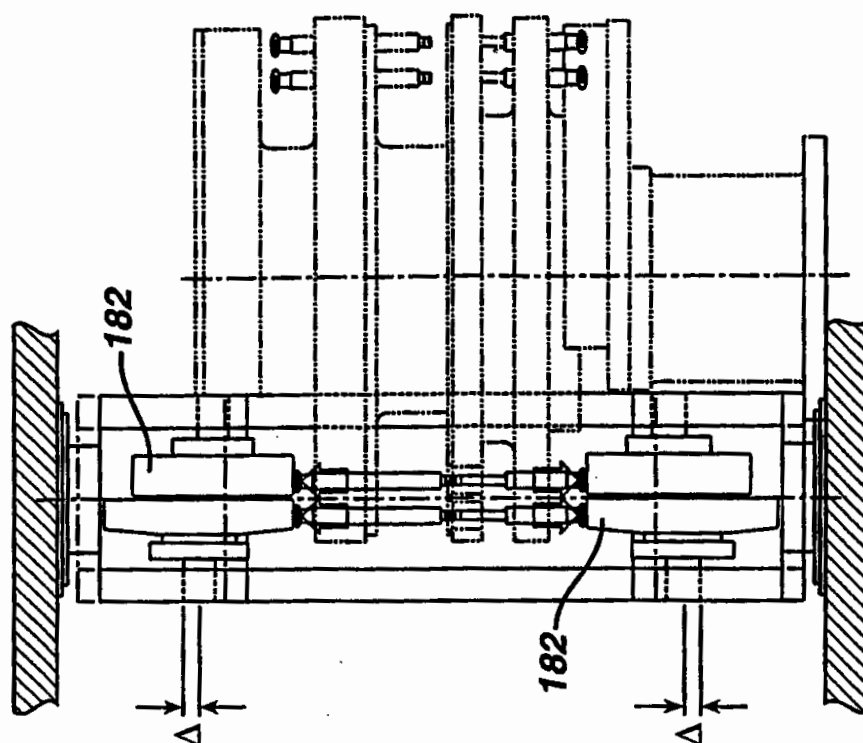
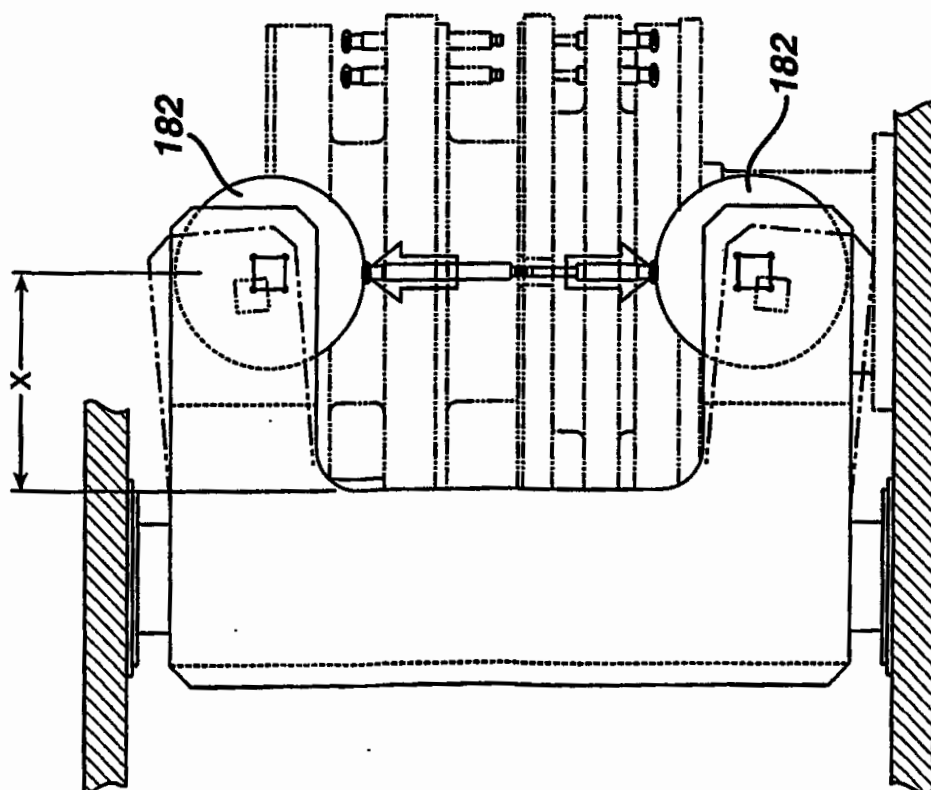
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FIG. 16

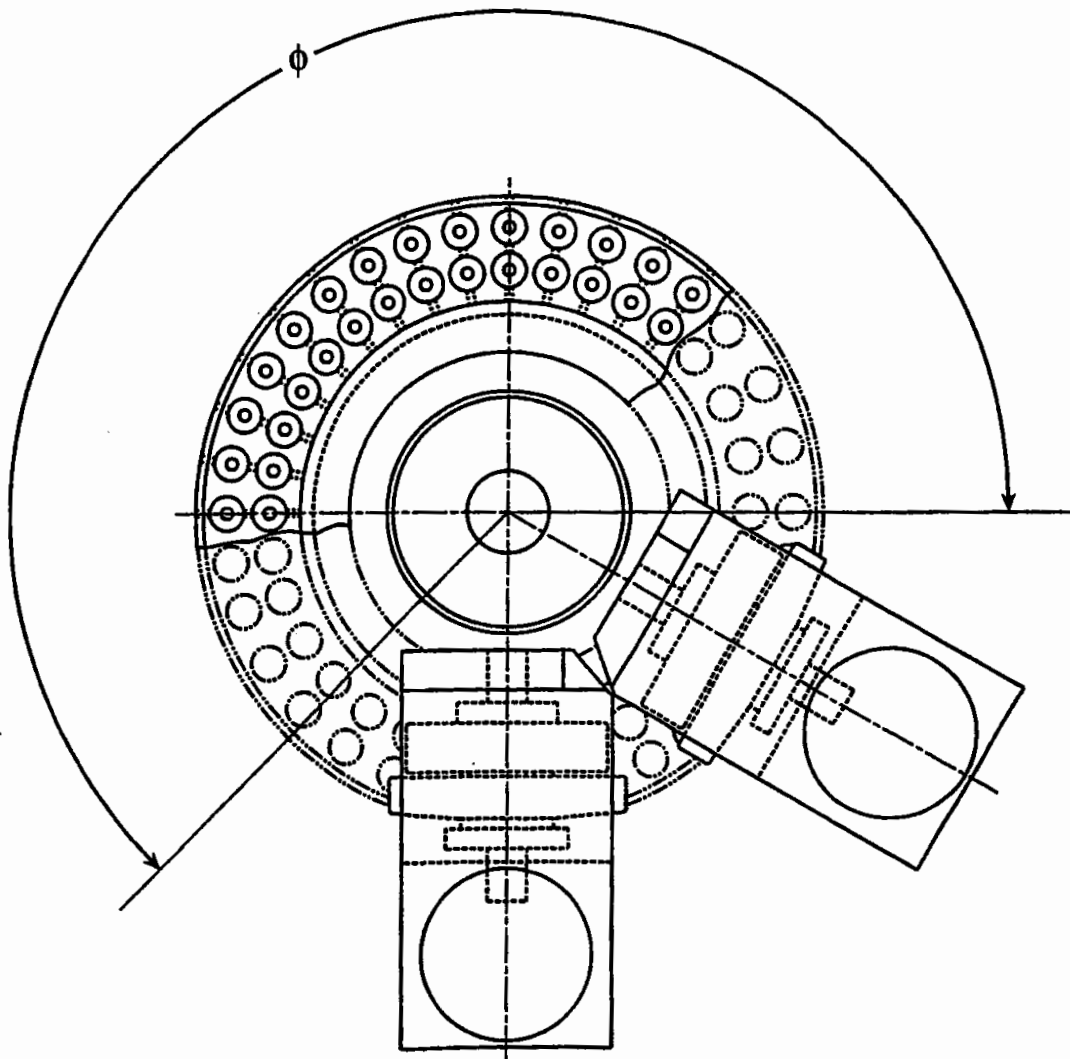
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FIG. 17A

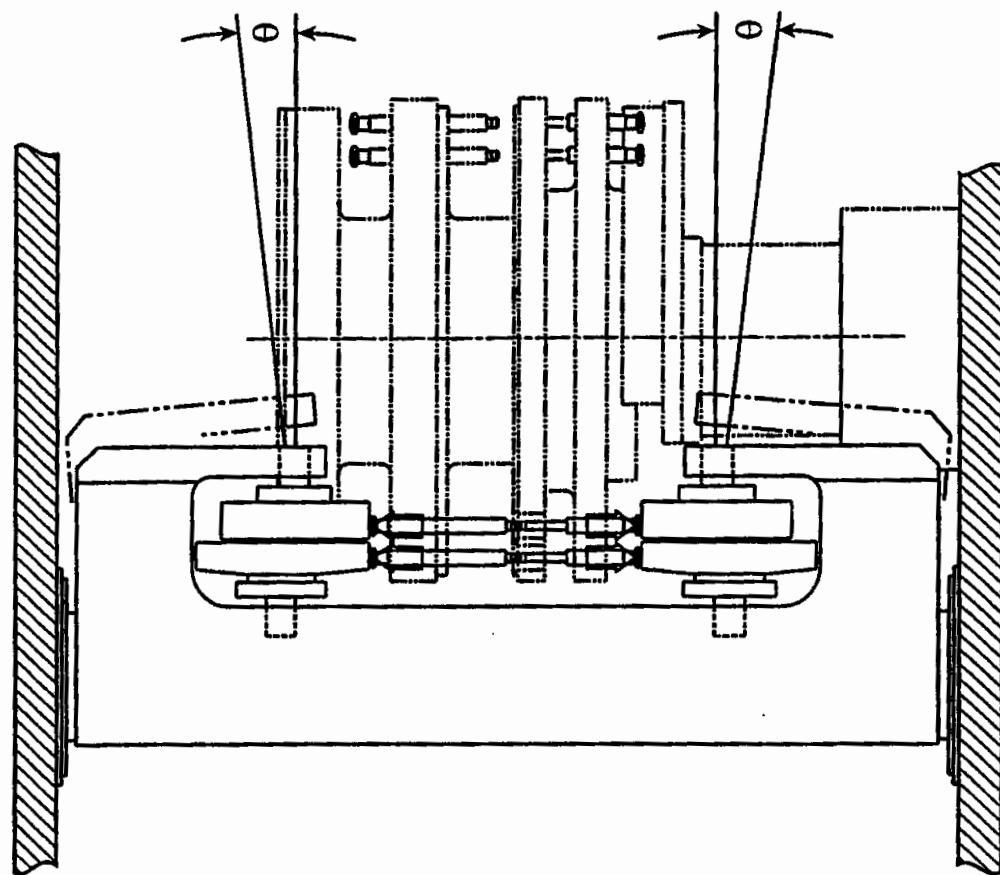
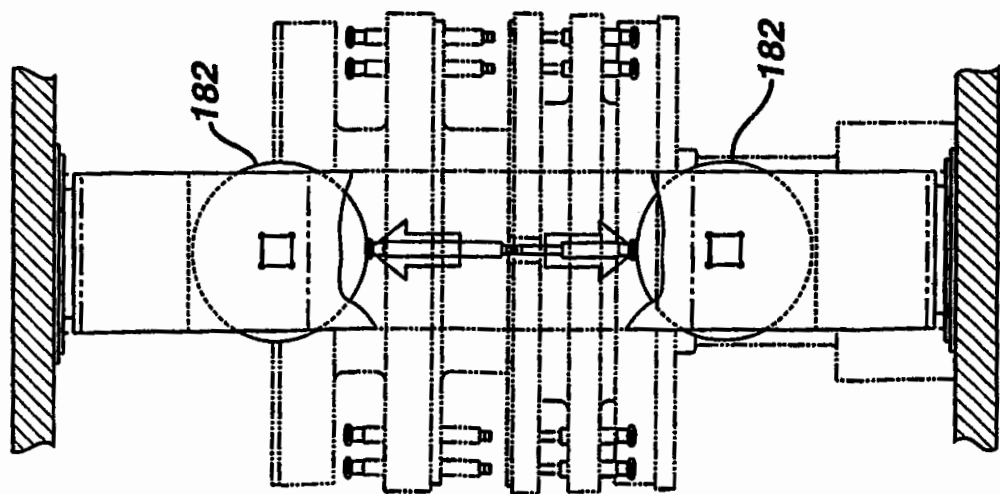
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FIG. 17C**FIG. 17B**

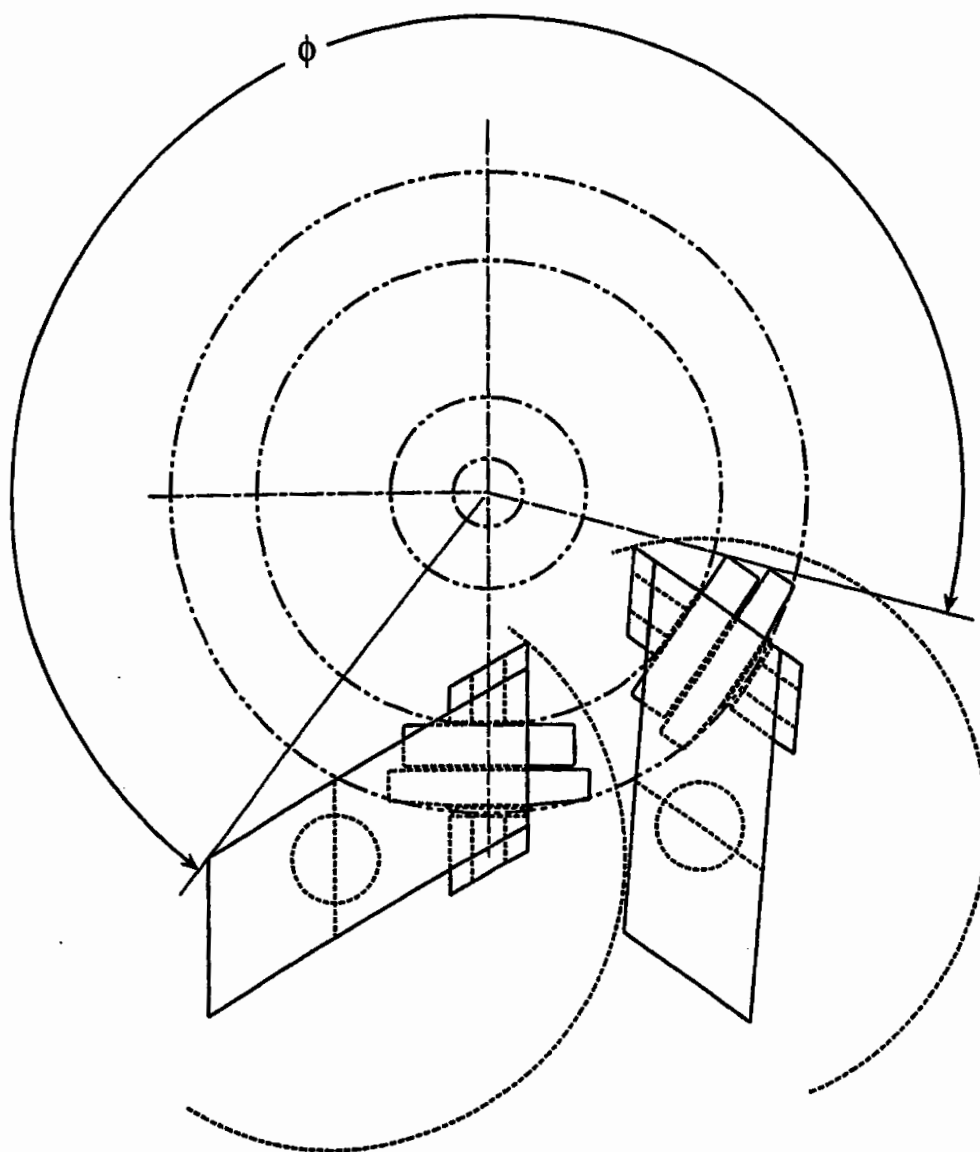
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FIG. 18A

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FIG. 18C**FIG. 18B**

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FIG. 19A

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FIG. 19B

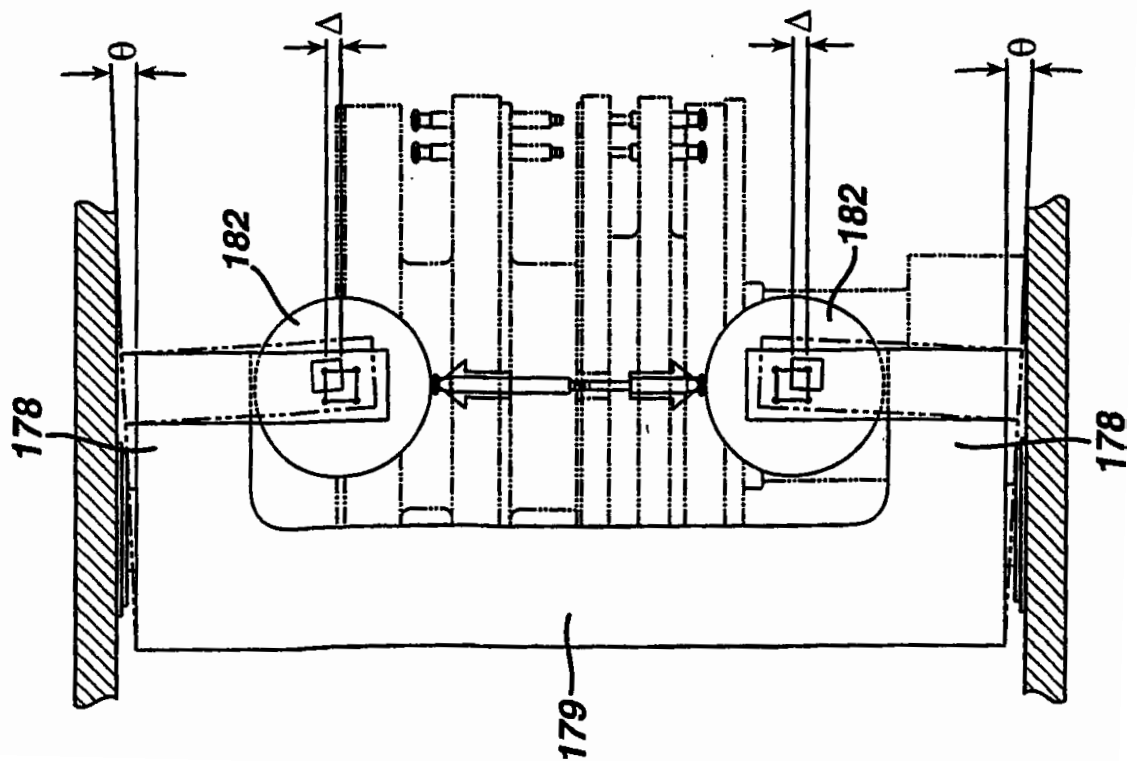
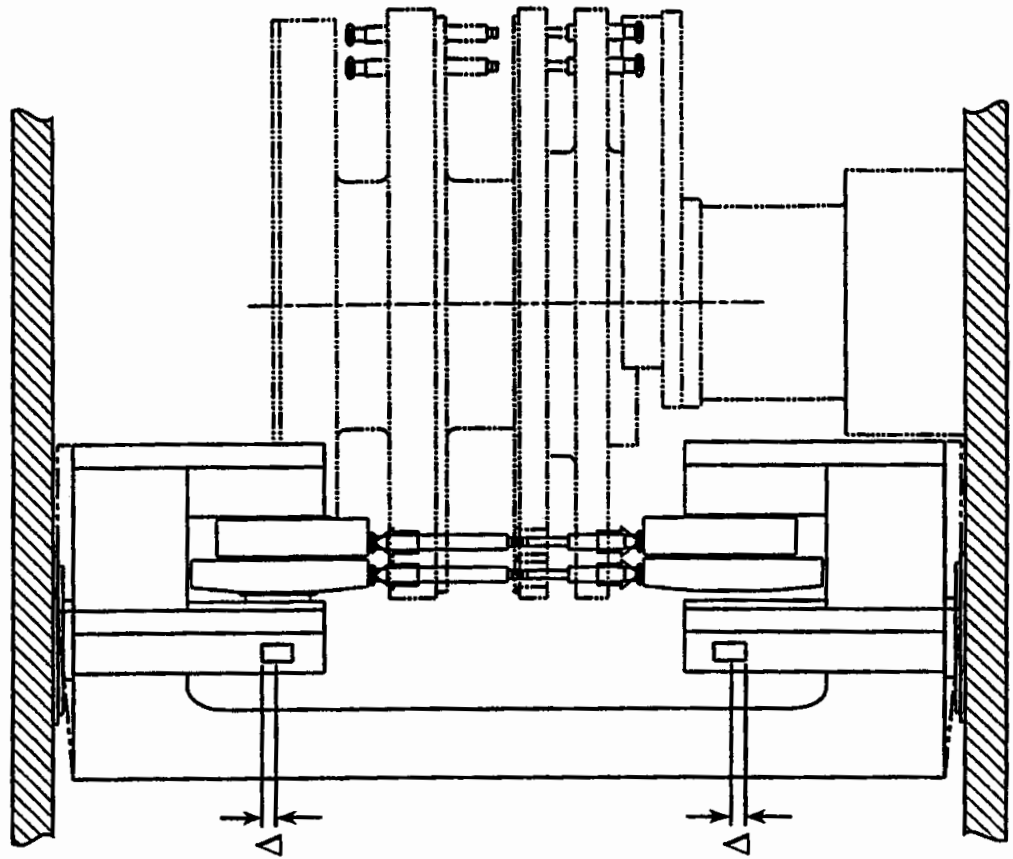
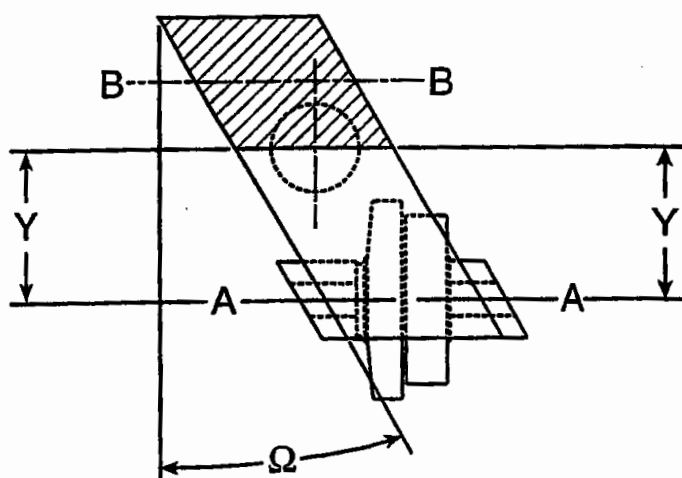


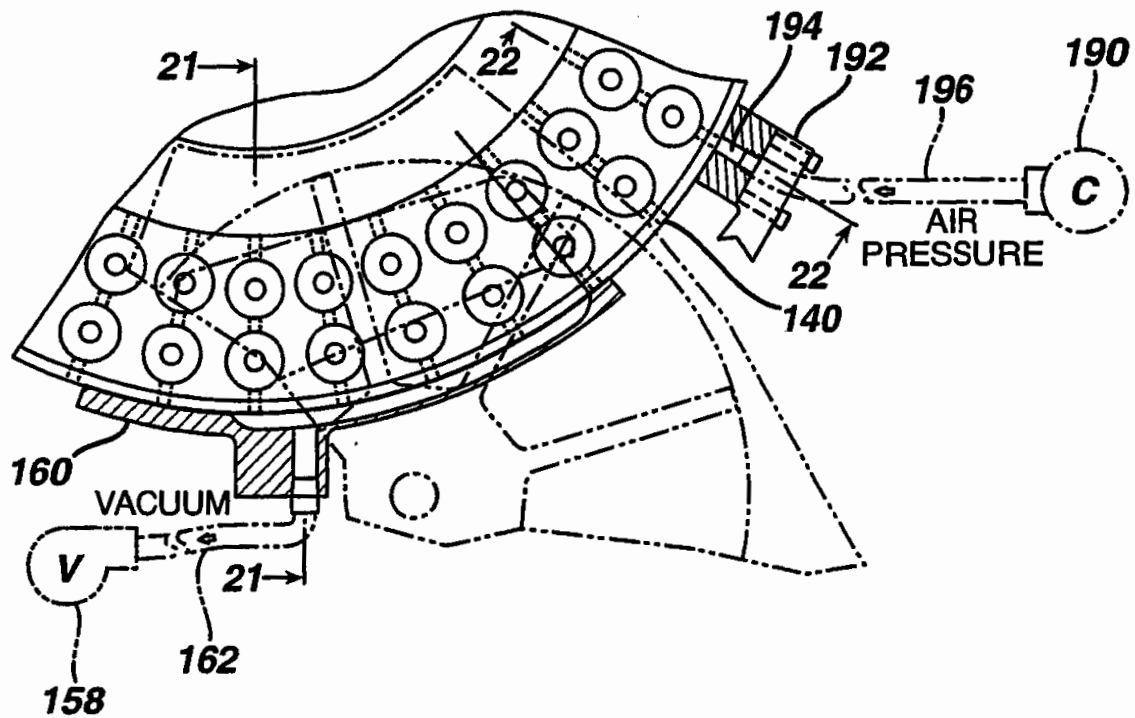
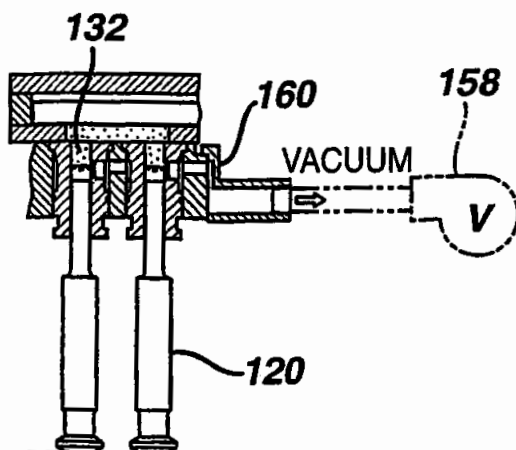
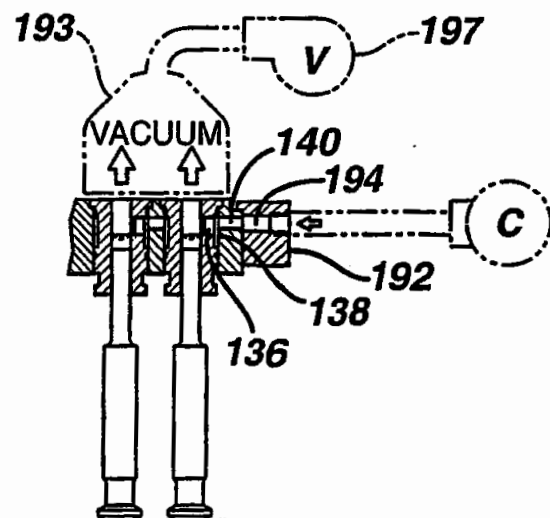
FIG. 19C



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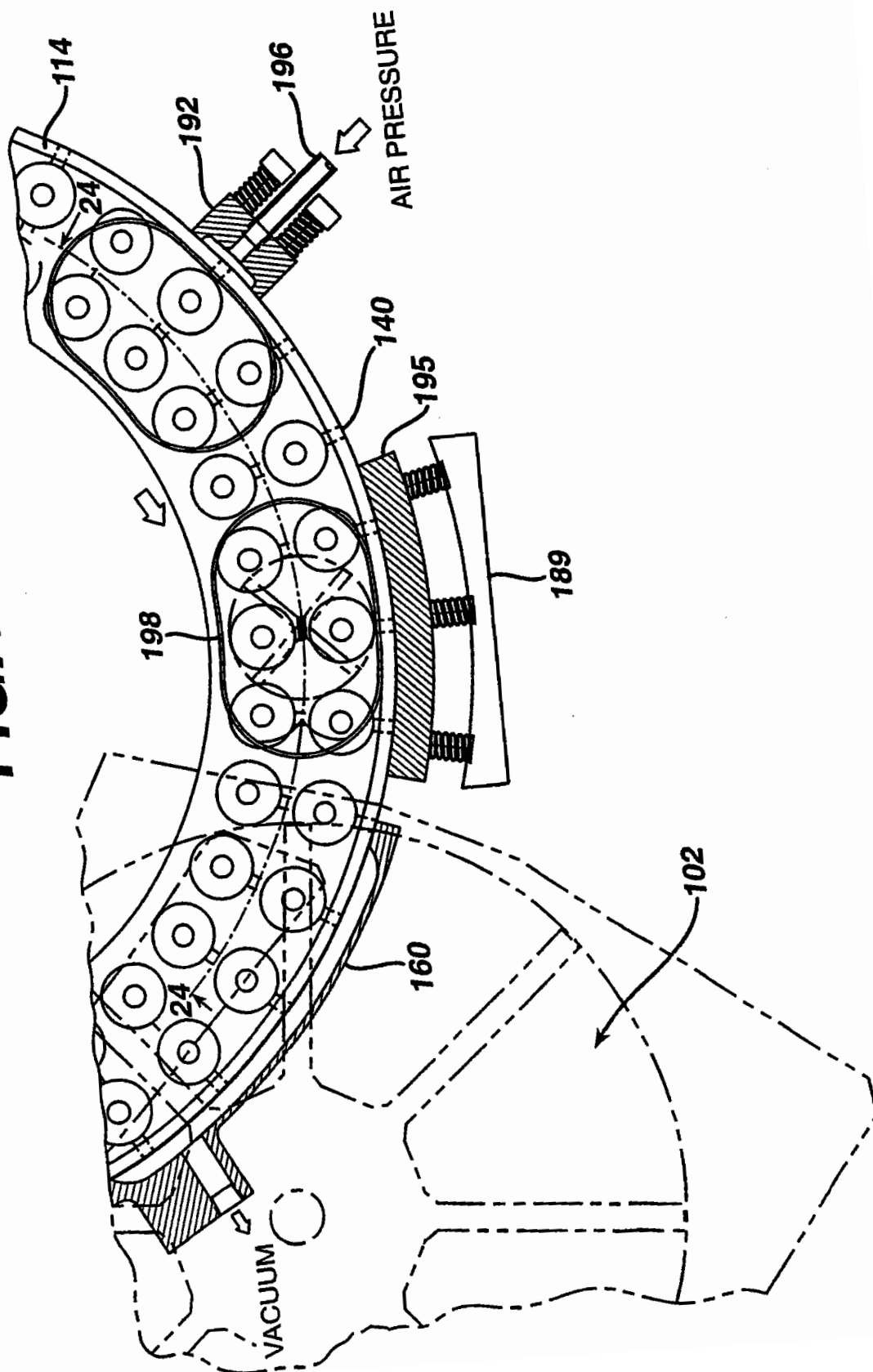
FIG. 19D

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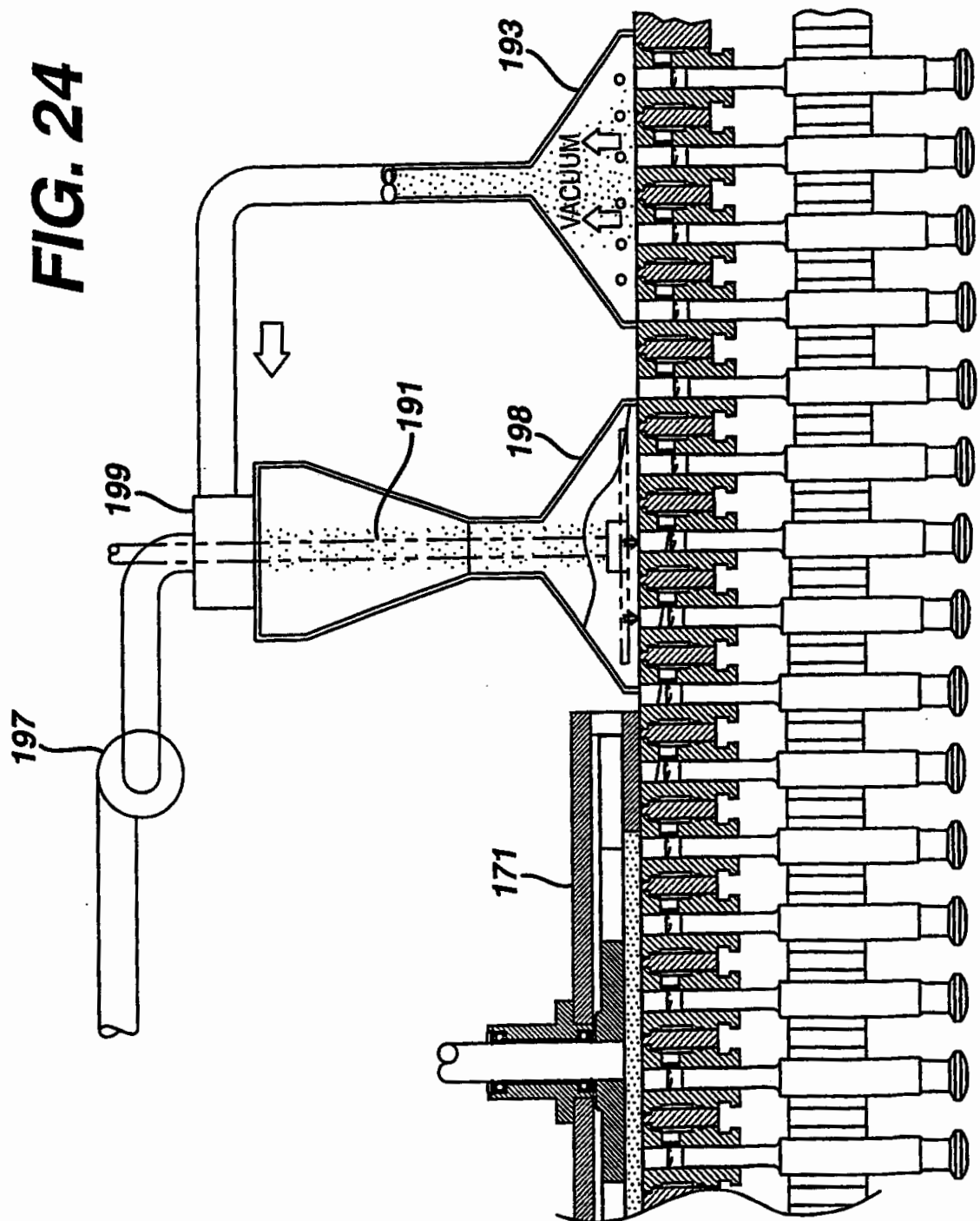
FIG. 20**FIG. 21****FIG. 22**

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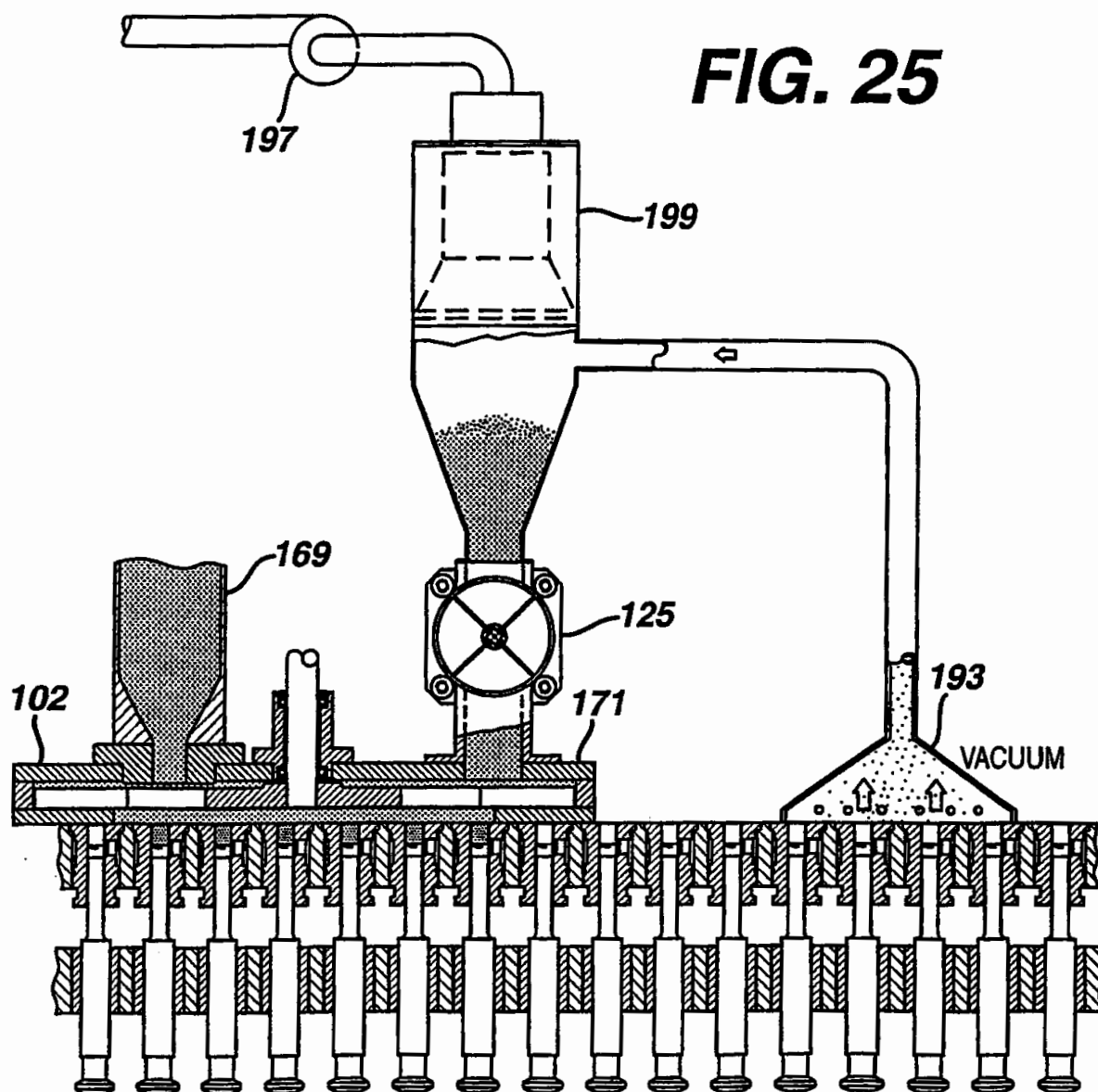
FIG. 23



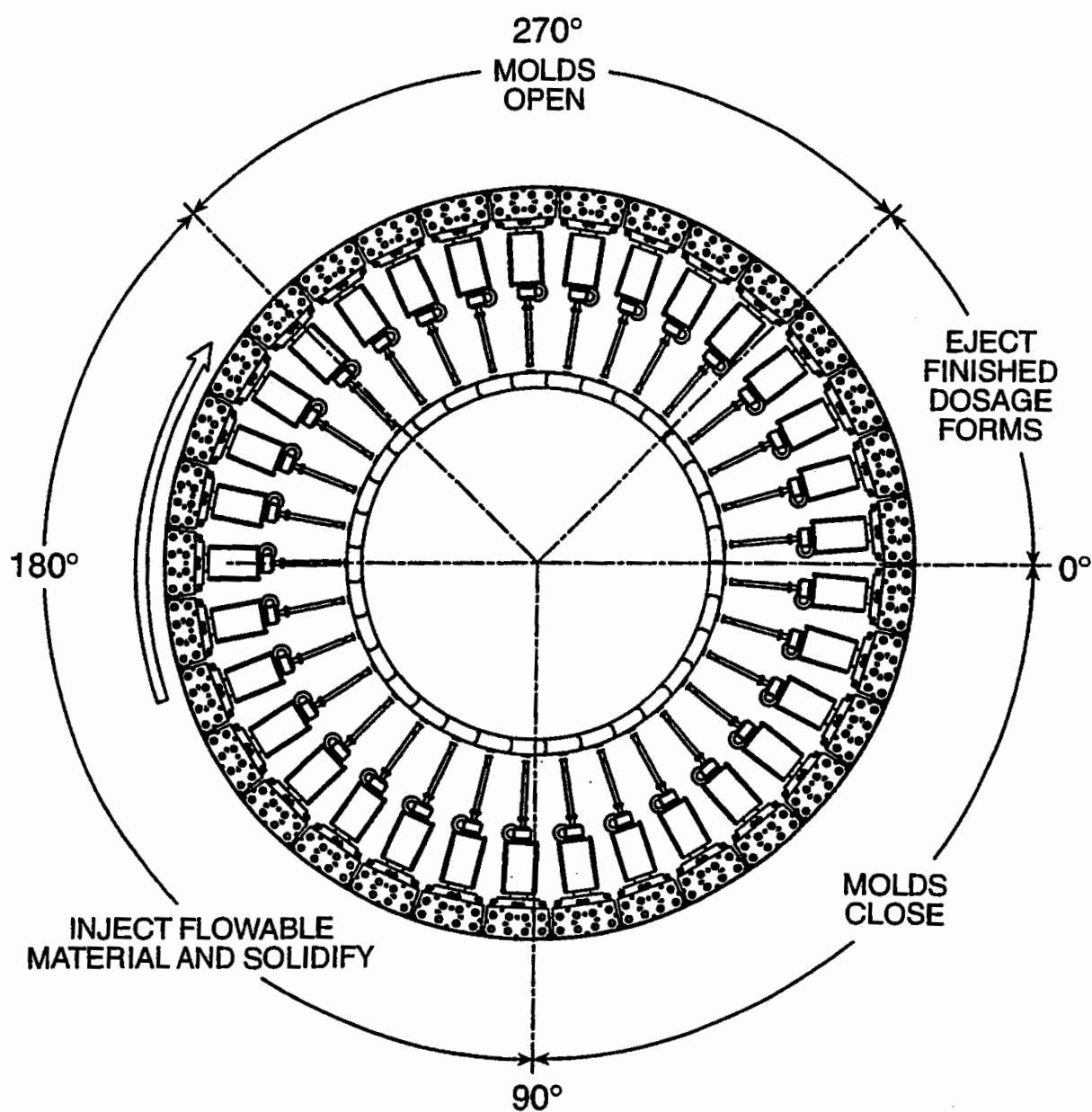
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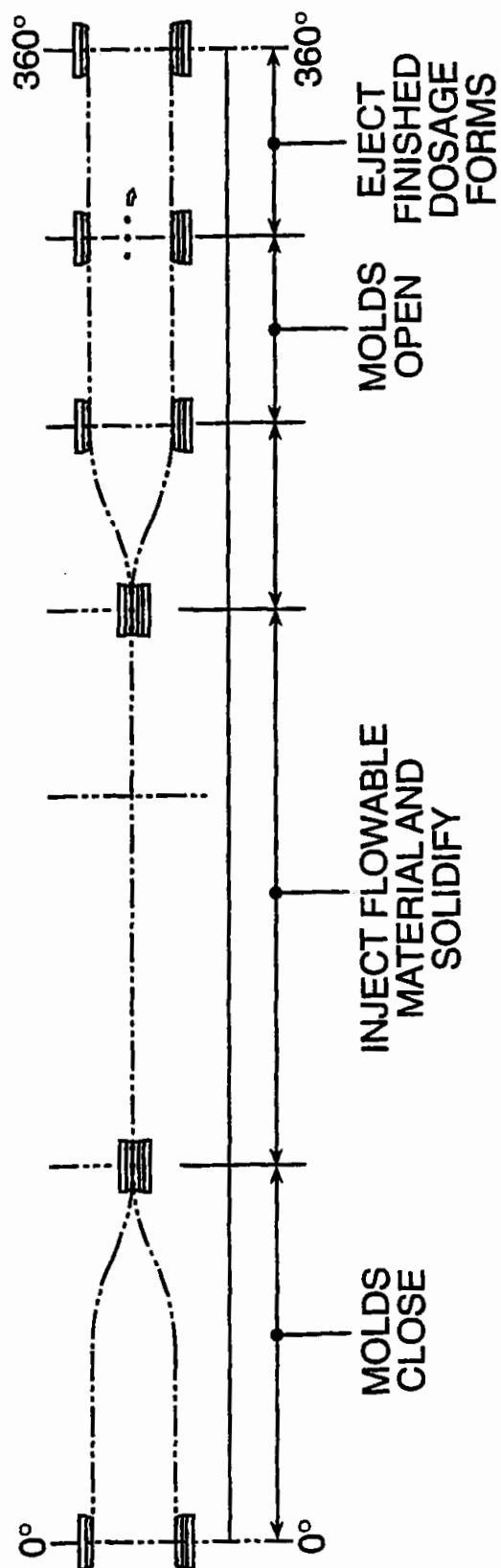
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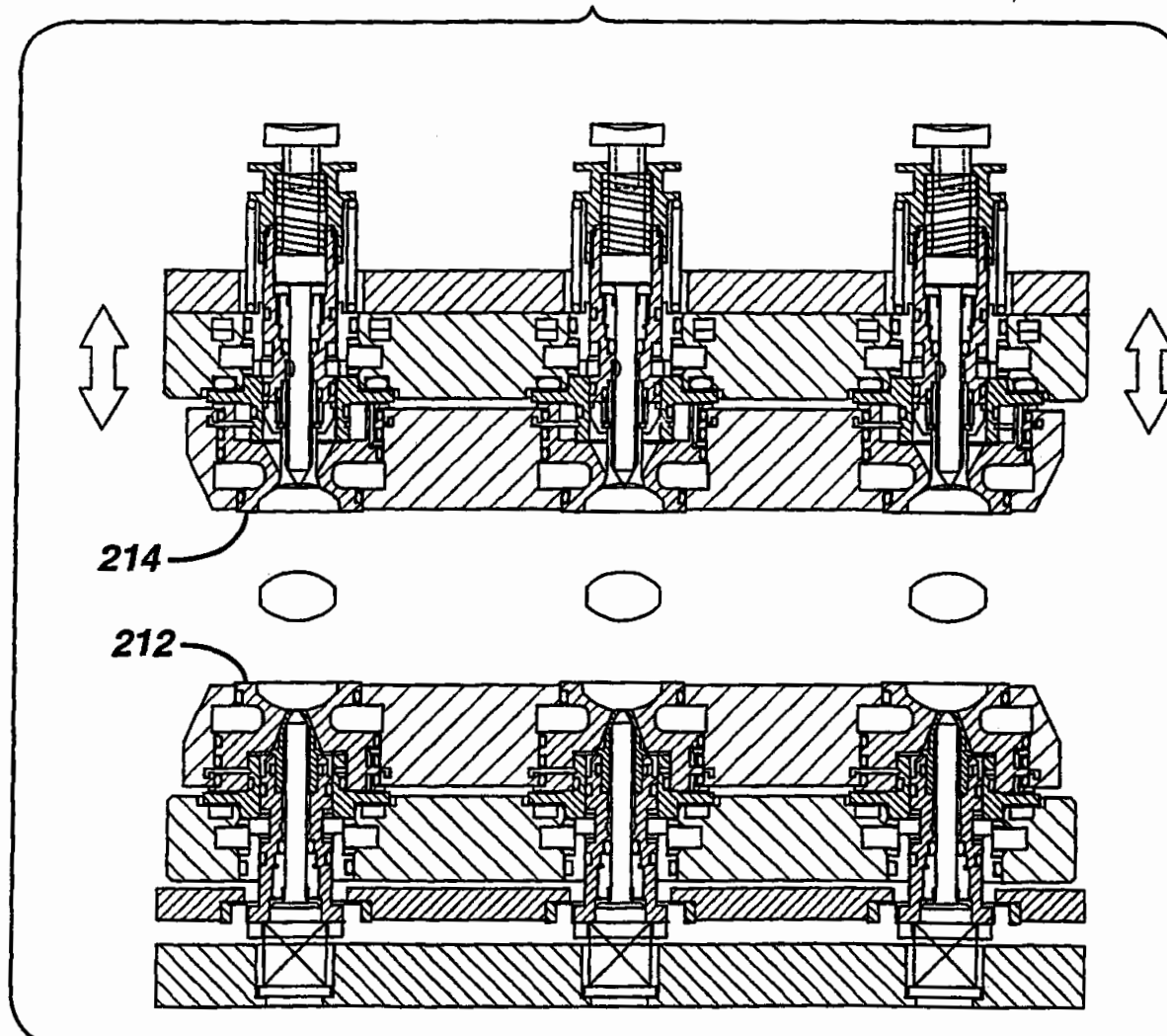
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FIG. 26A

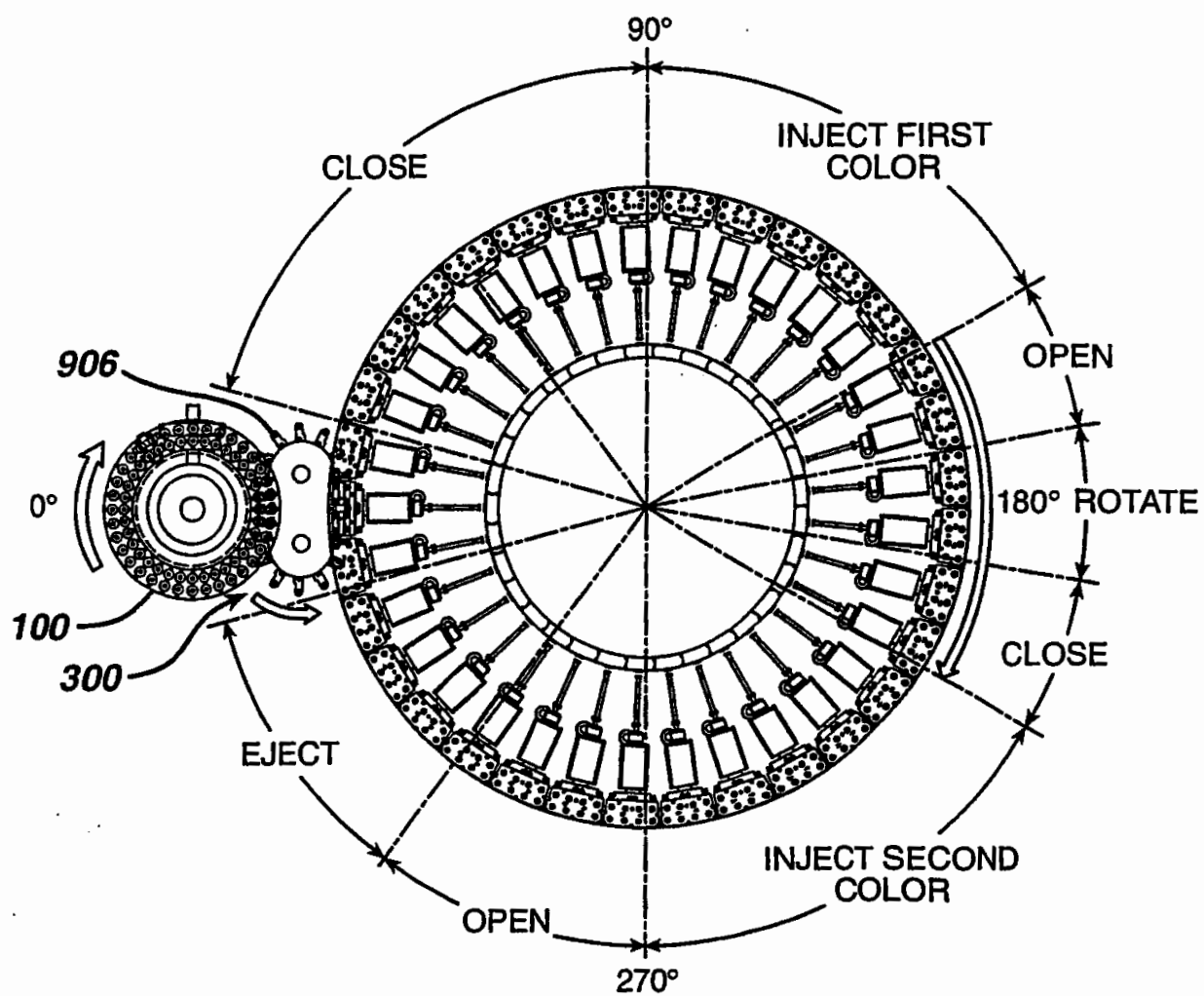
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FIG. 26B

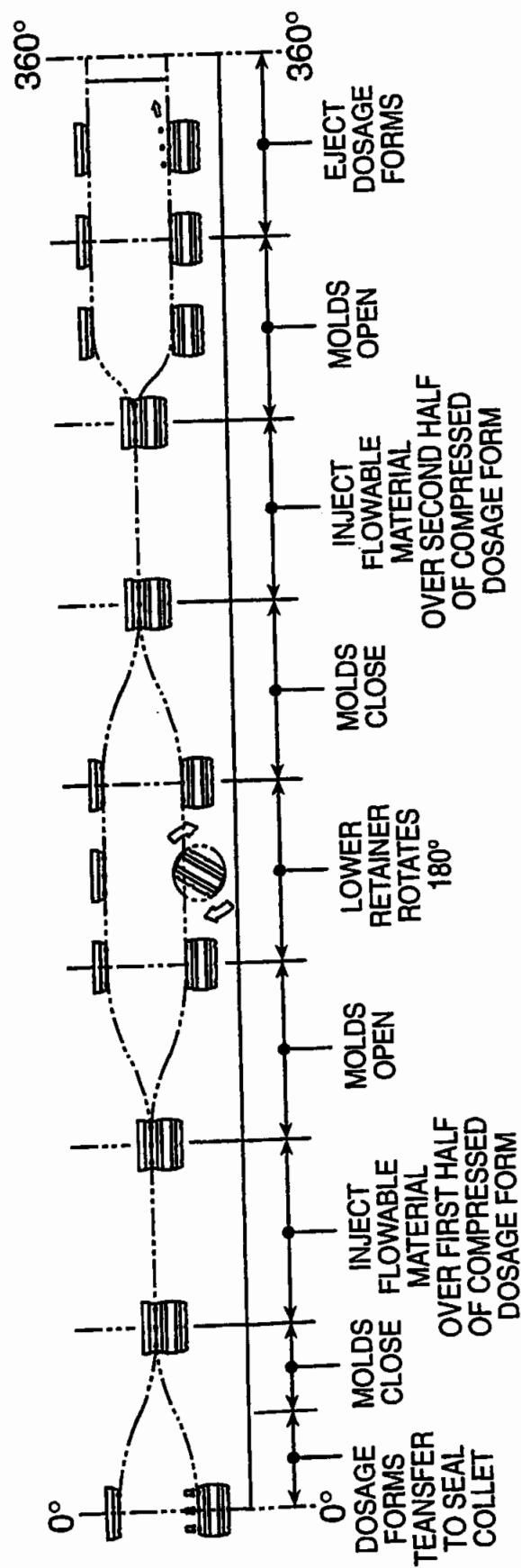
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FIG. 26C

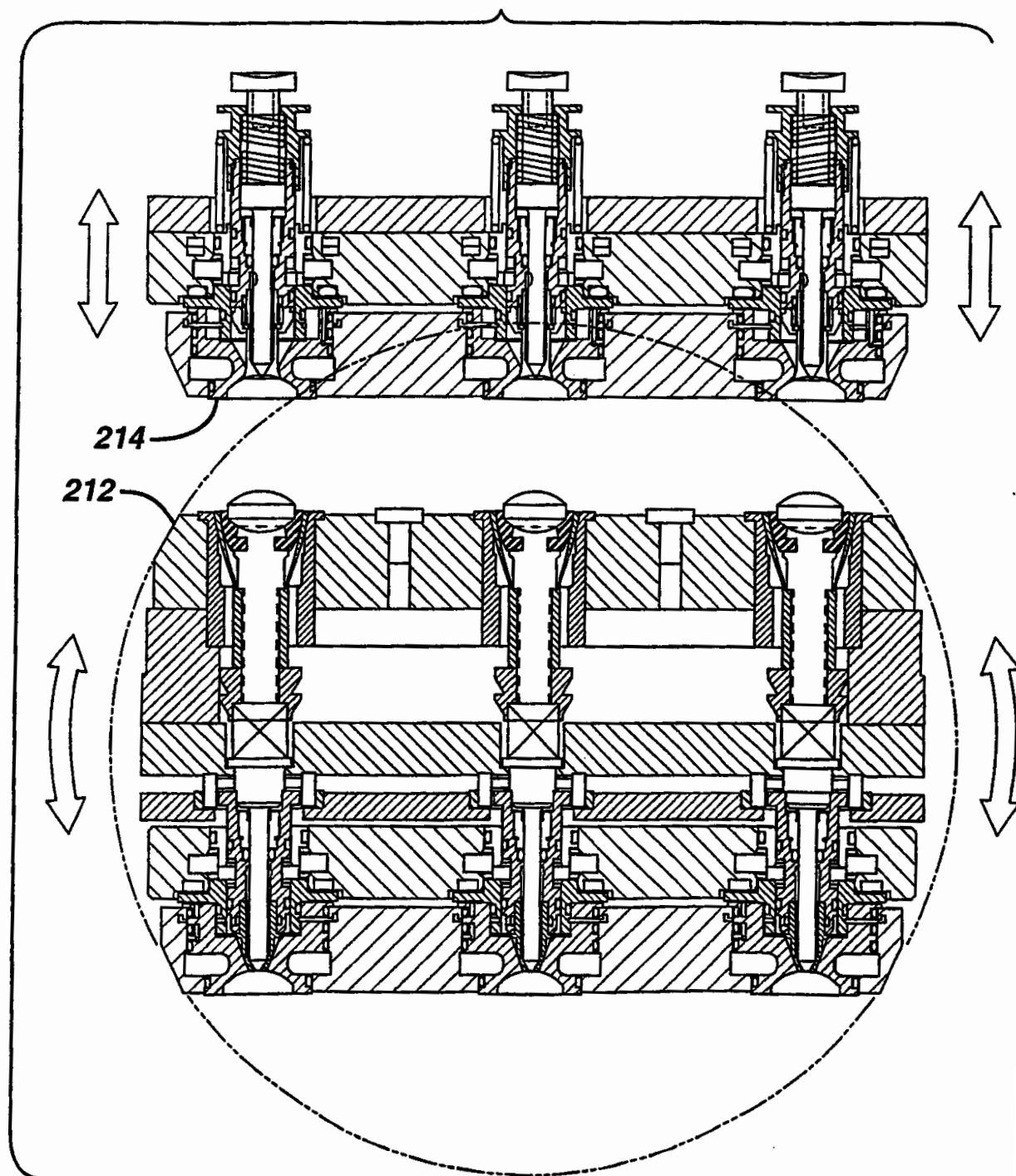
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FIG. 27A

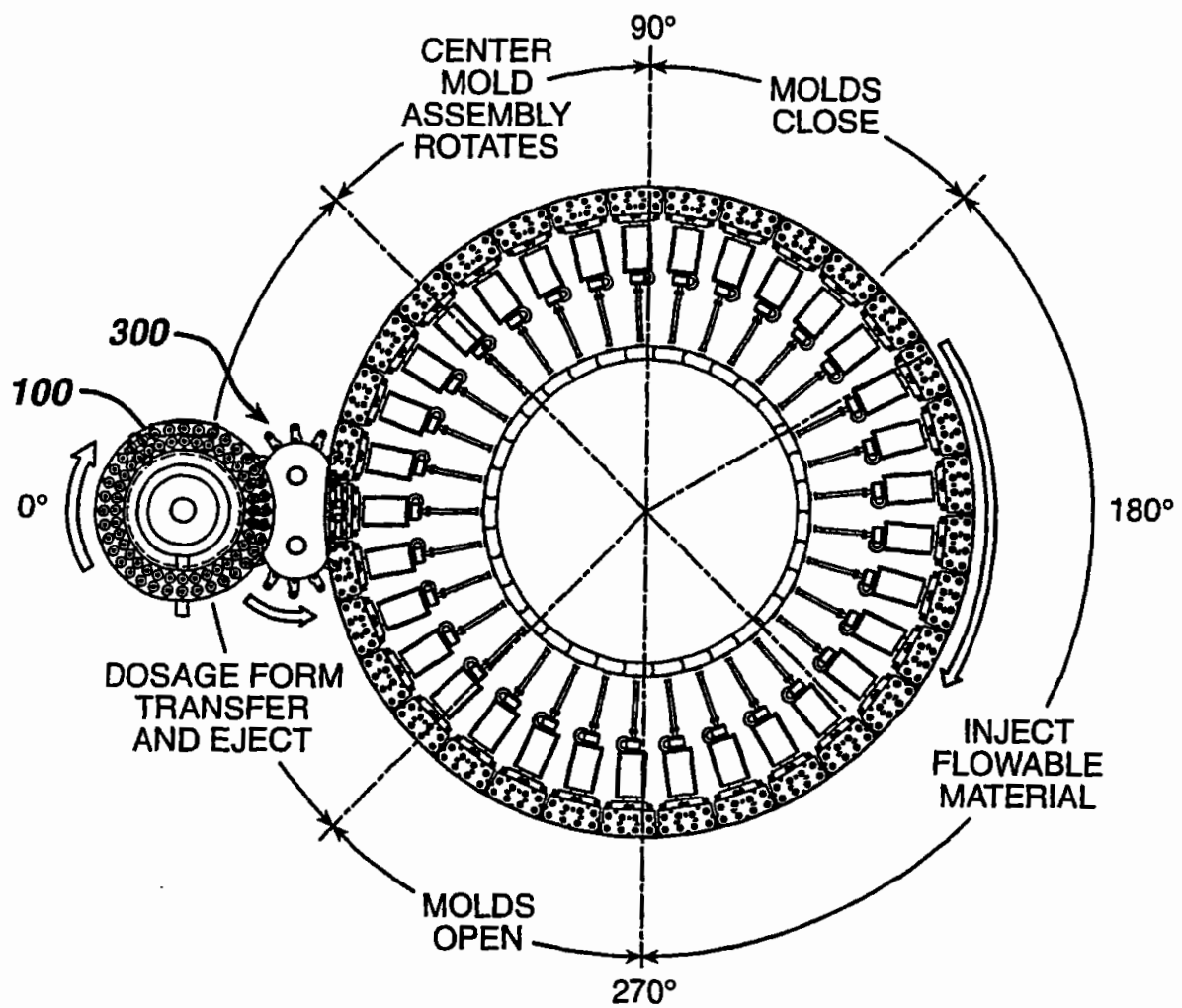
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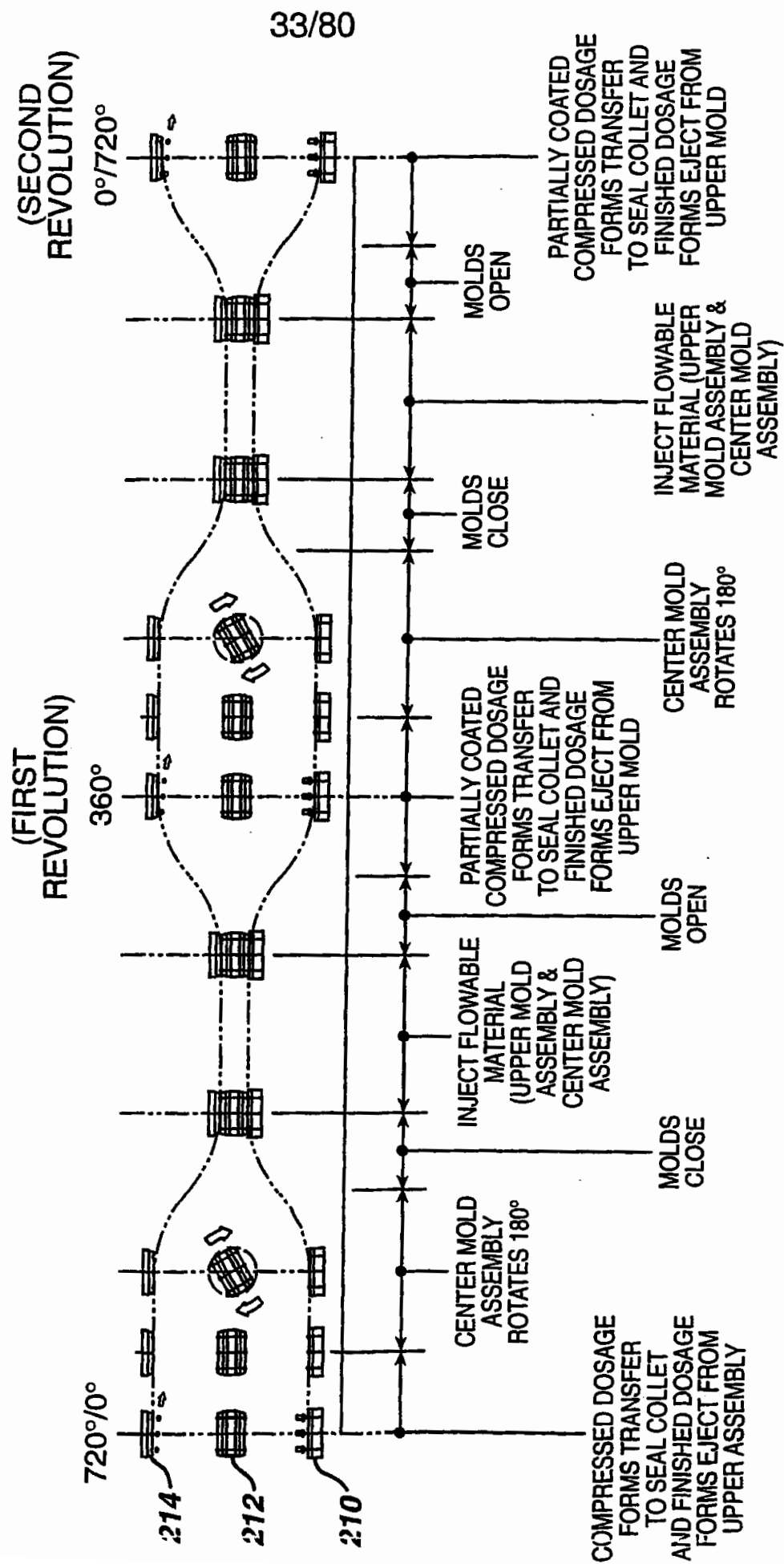
FIG. 27B

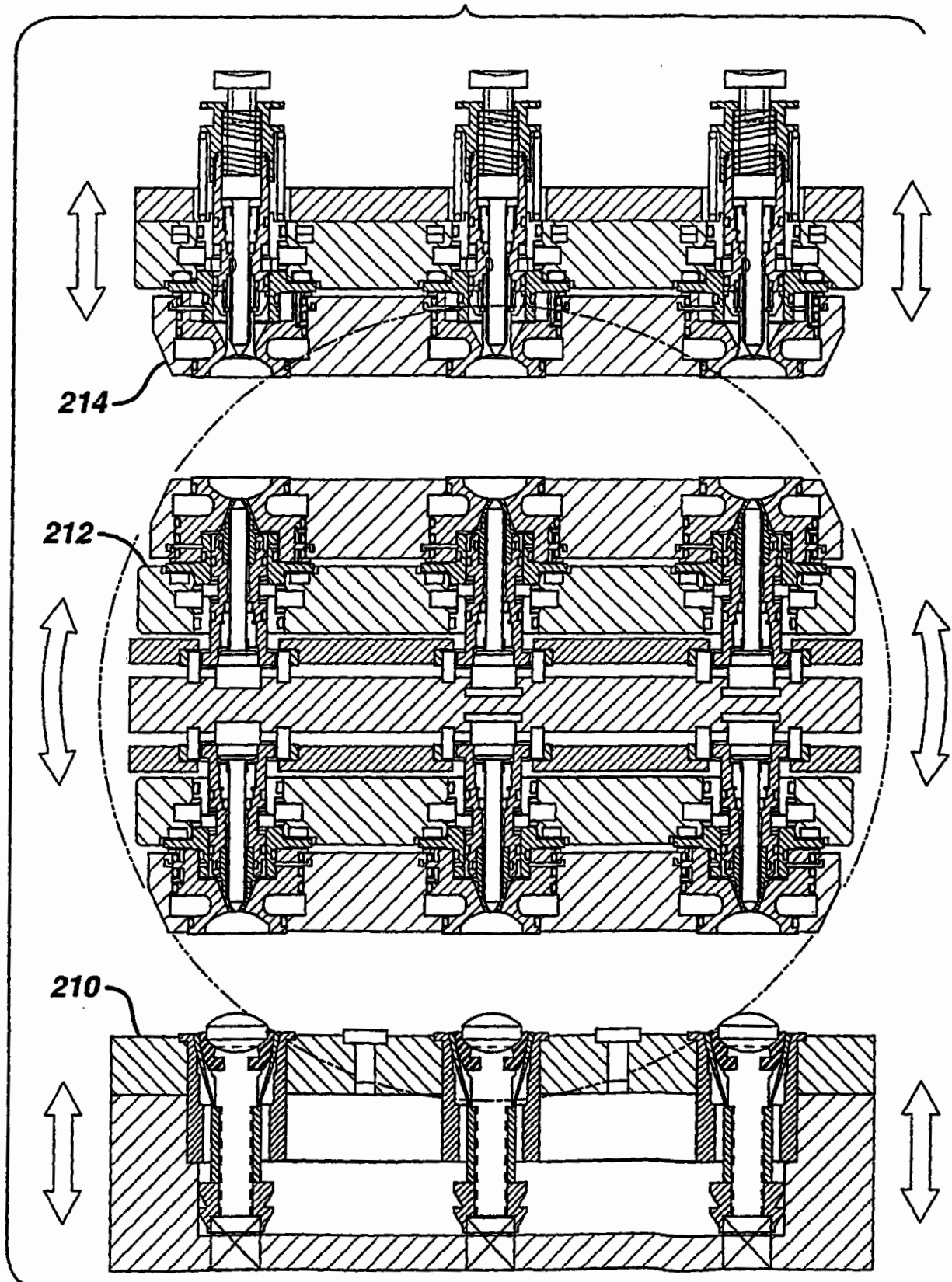
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FIG. 27C

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FIG. 28A





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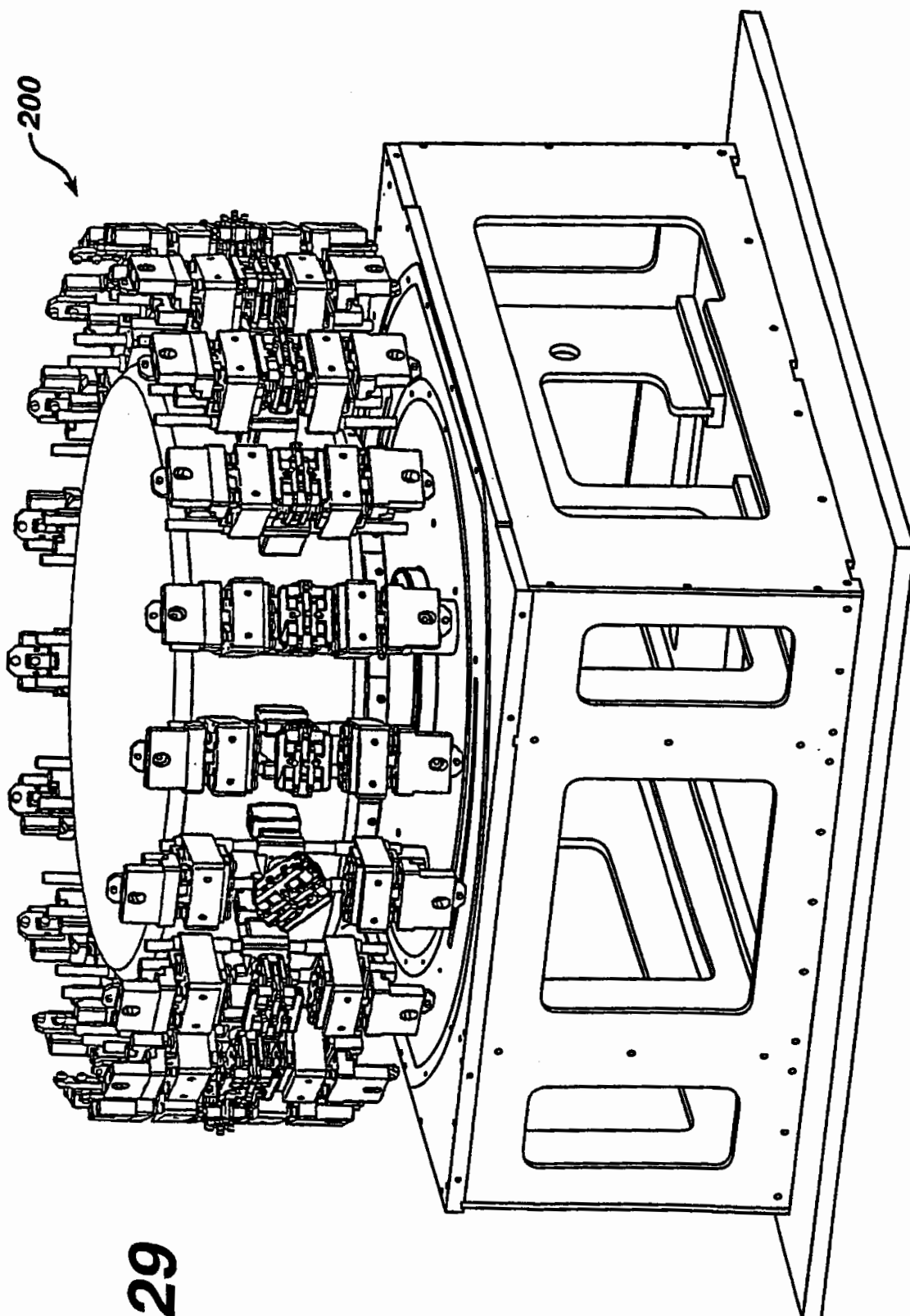
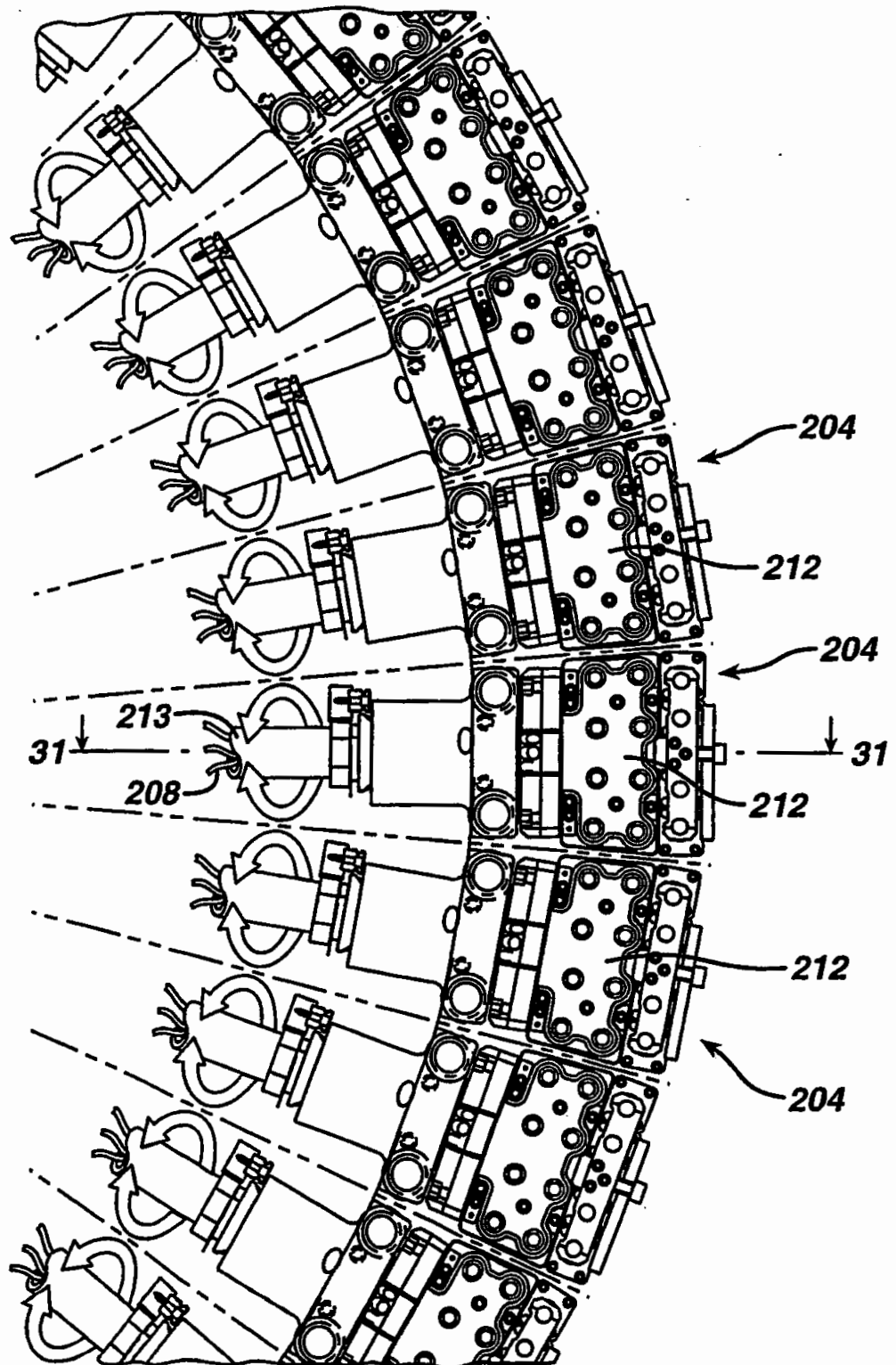
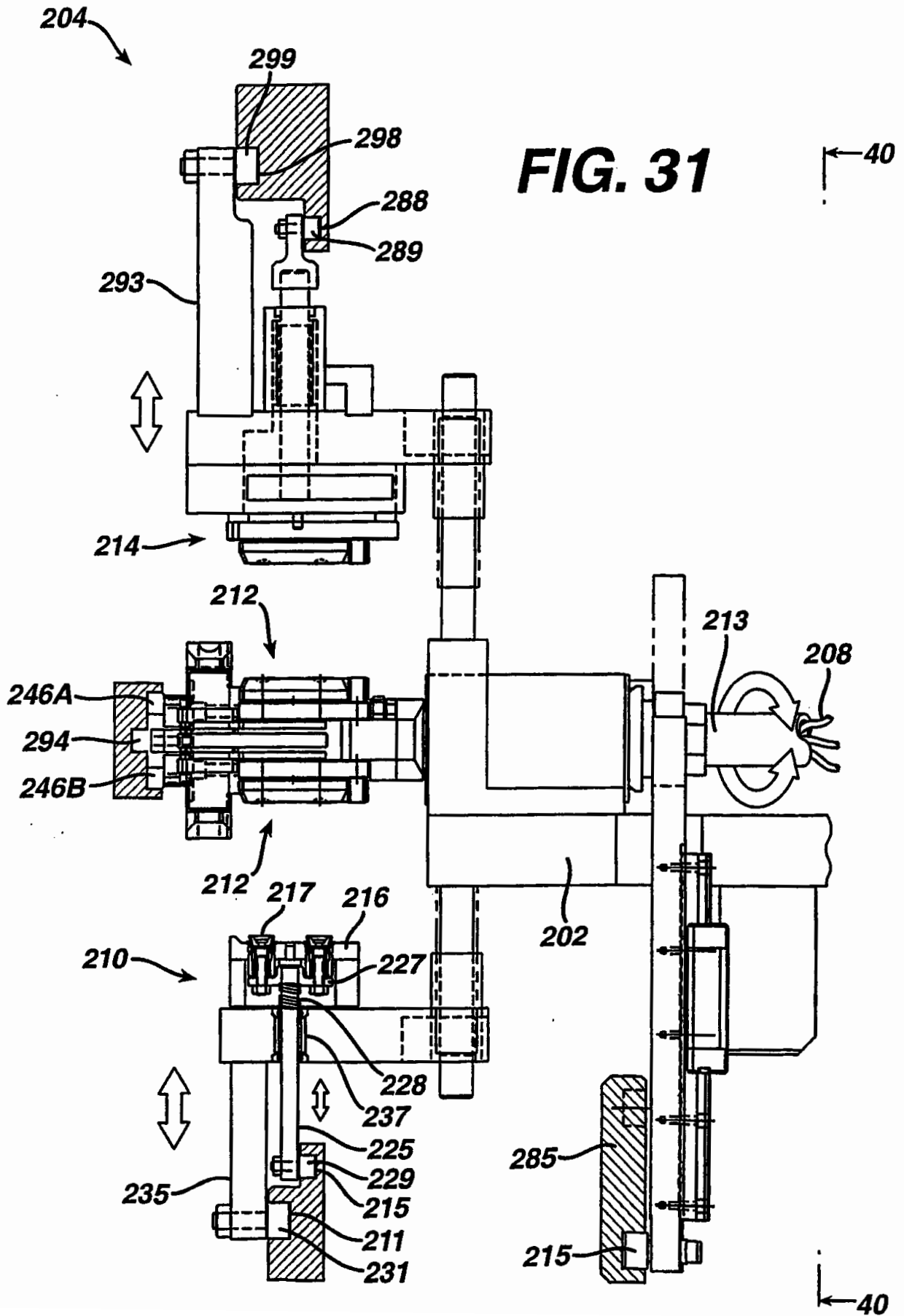


FIG. 29

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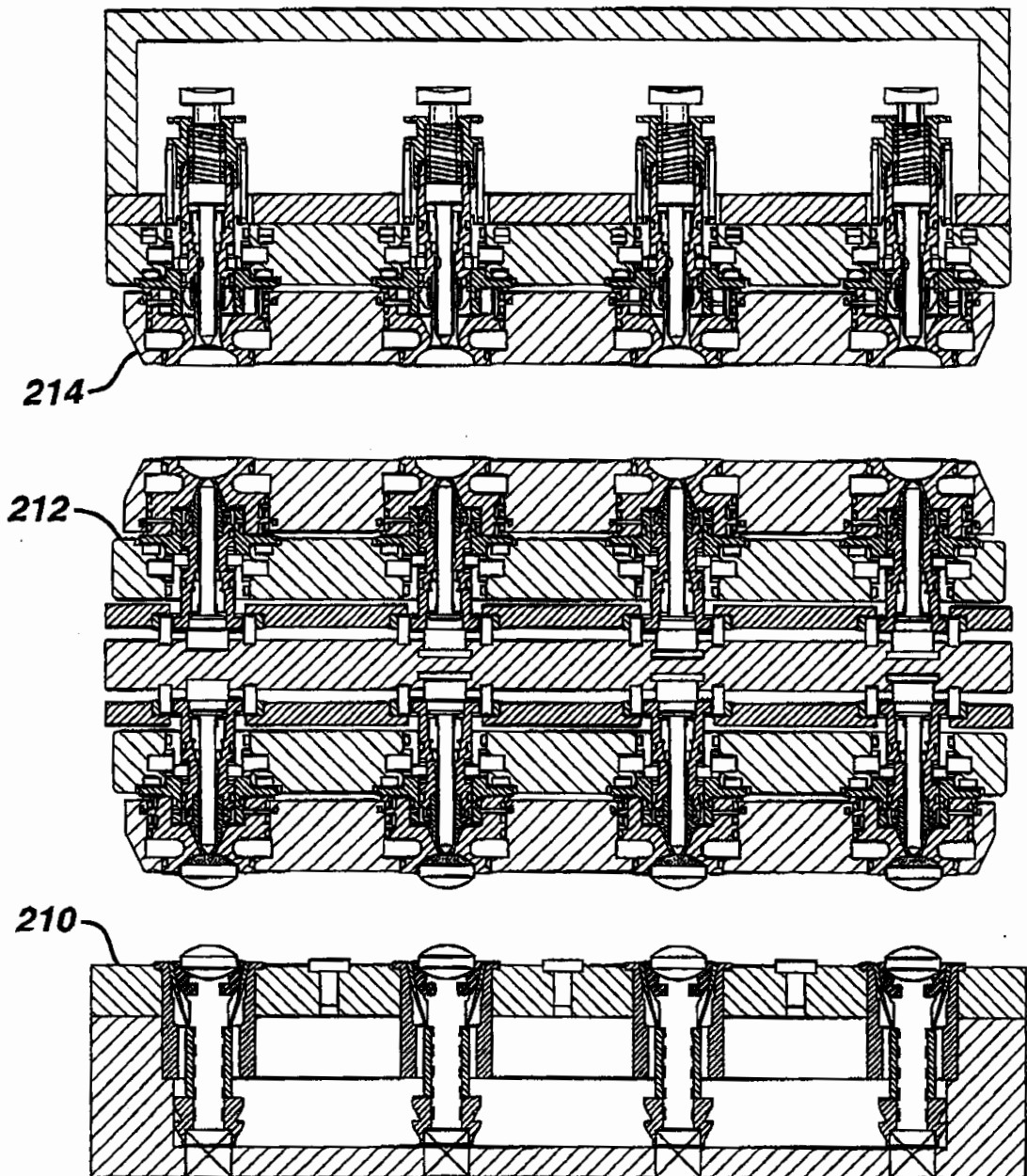
FIG. 30

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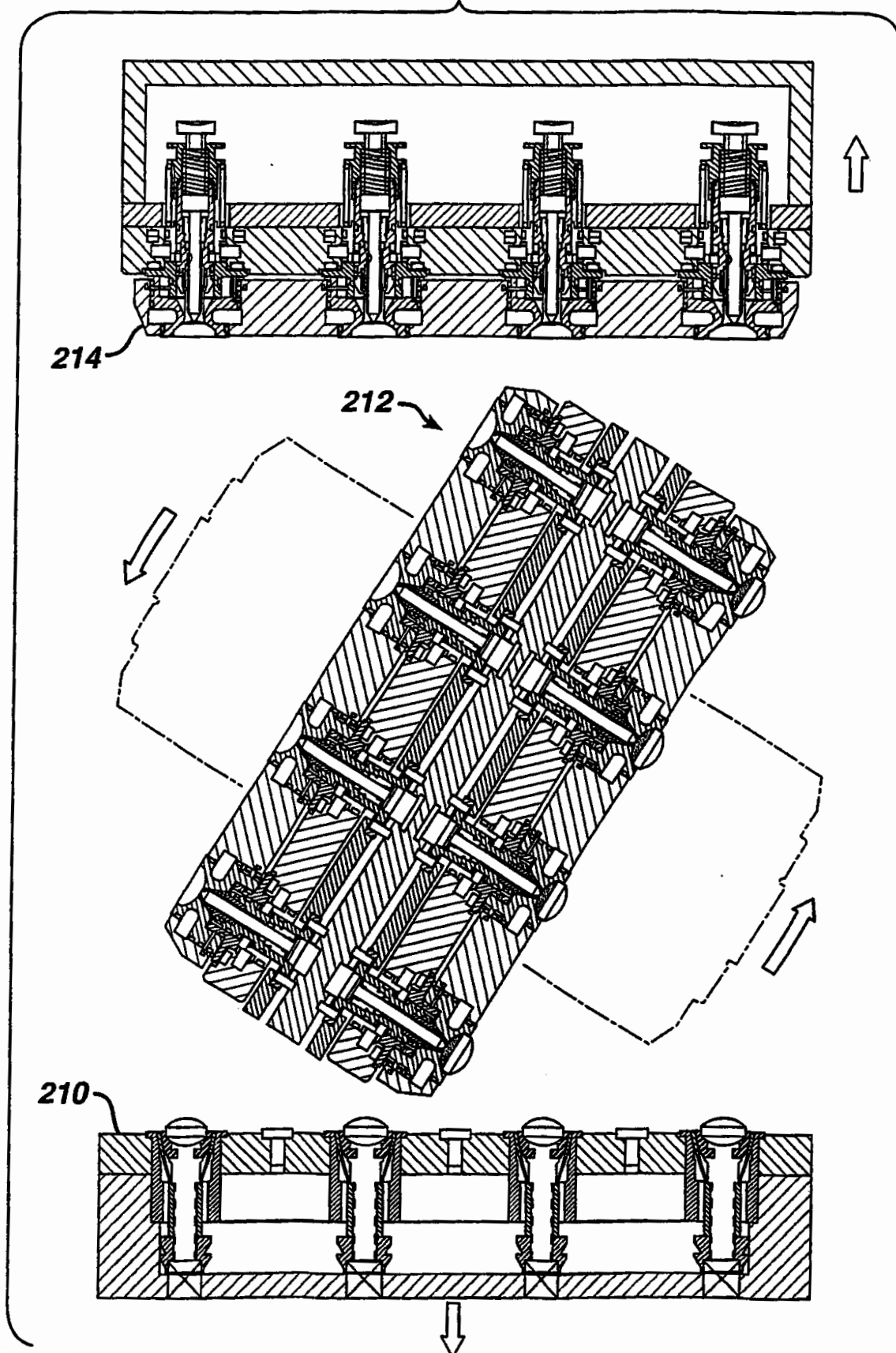


TITLE: Systems, Methods and Apparatuses for...
INVENTOR(S): Sowden, et al.
APP#: 09/966939
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0242 CUST. #: 000027777

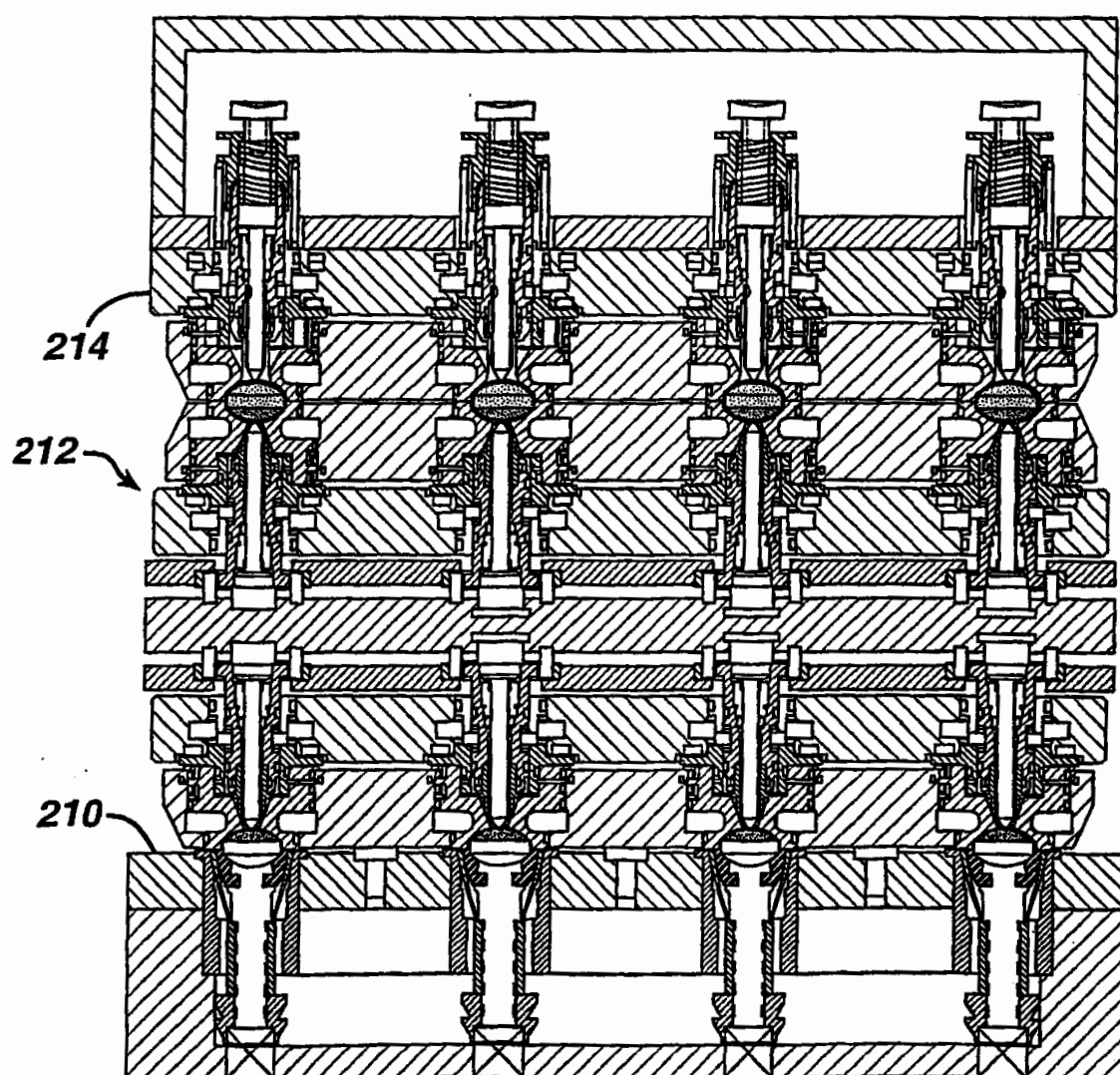
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FIG. 32

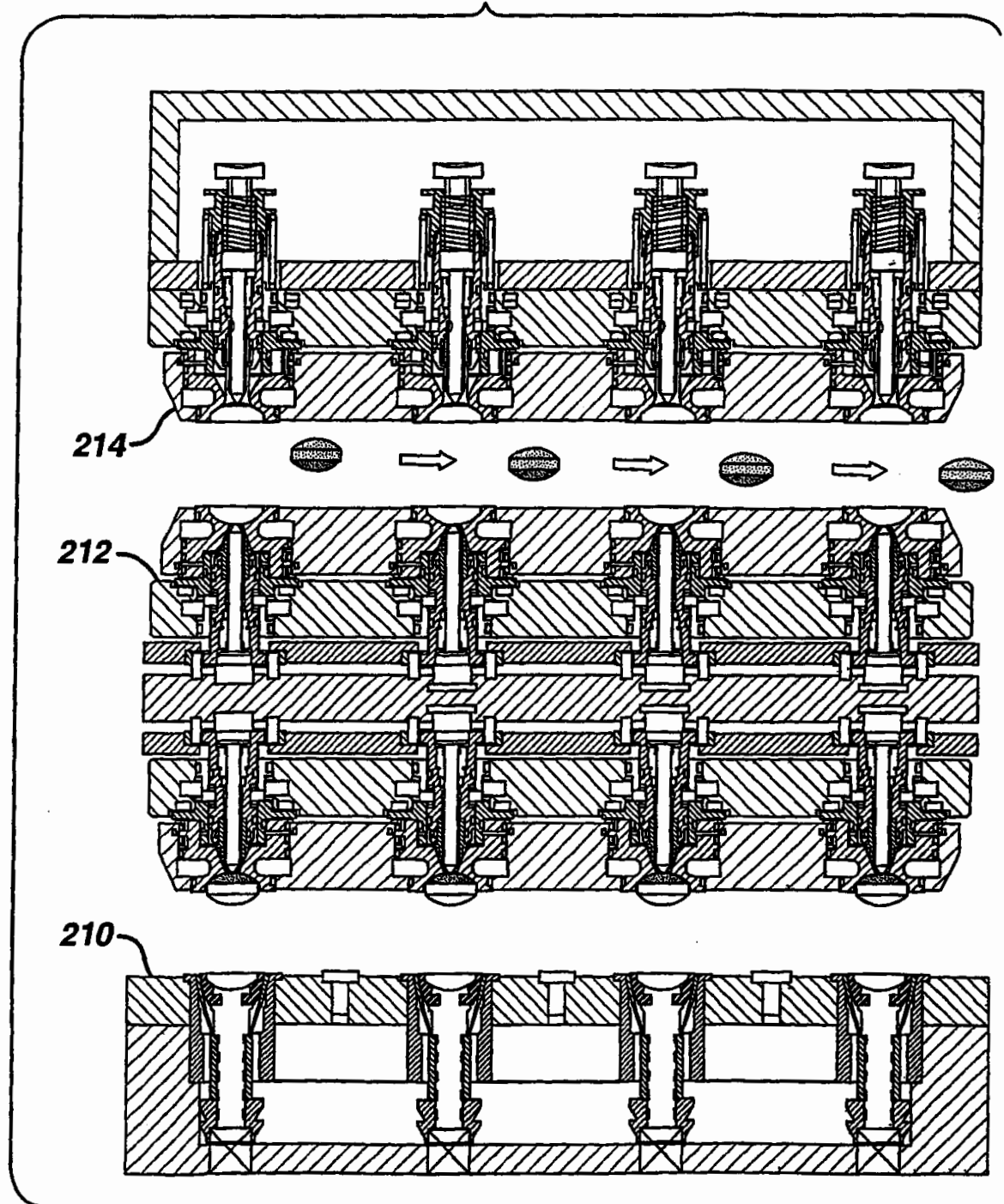
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FIG. 33

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FIG. 34

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FIG. 35

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FIG. 39A

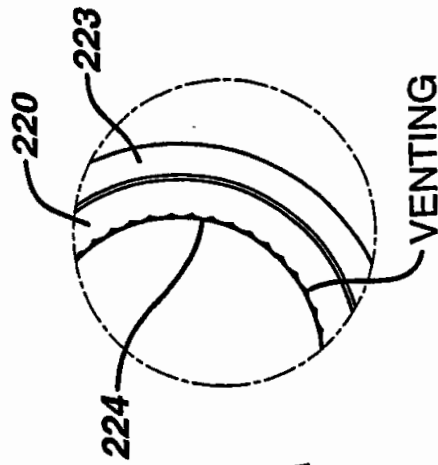


FIG. 39

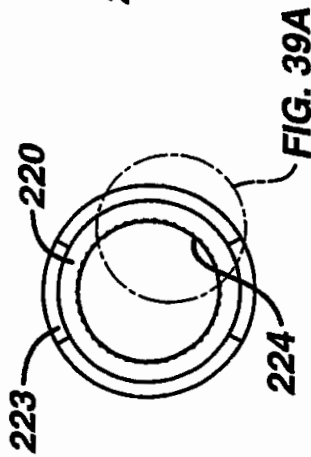


FIG. 38

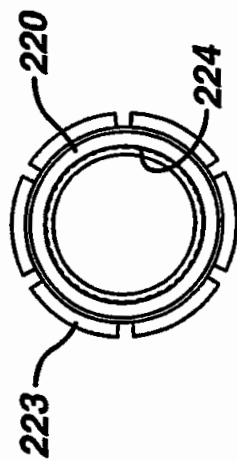


FIG. 37

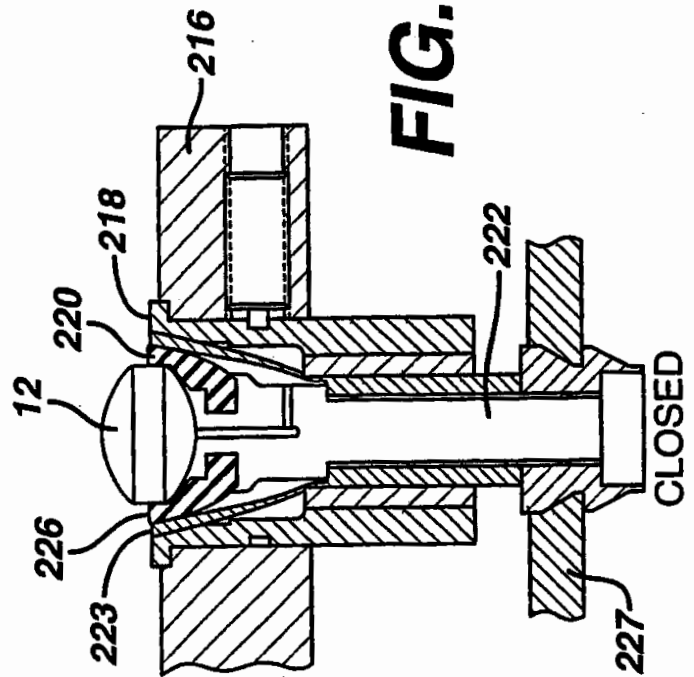
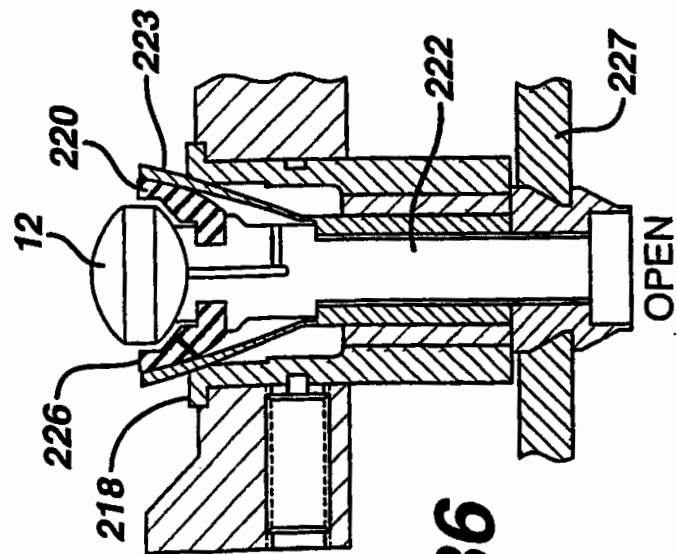


FIG. 36



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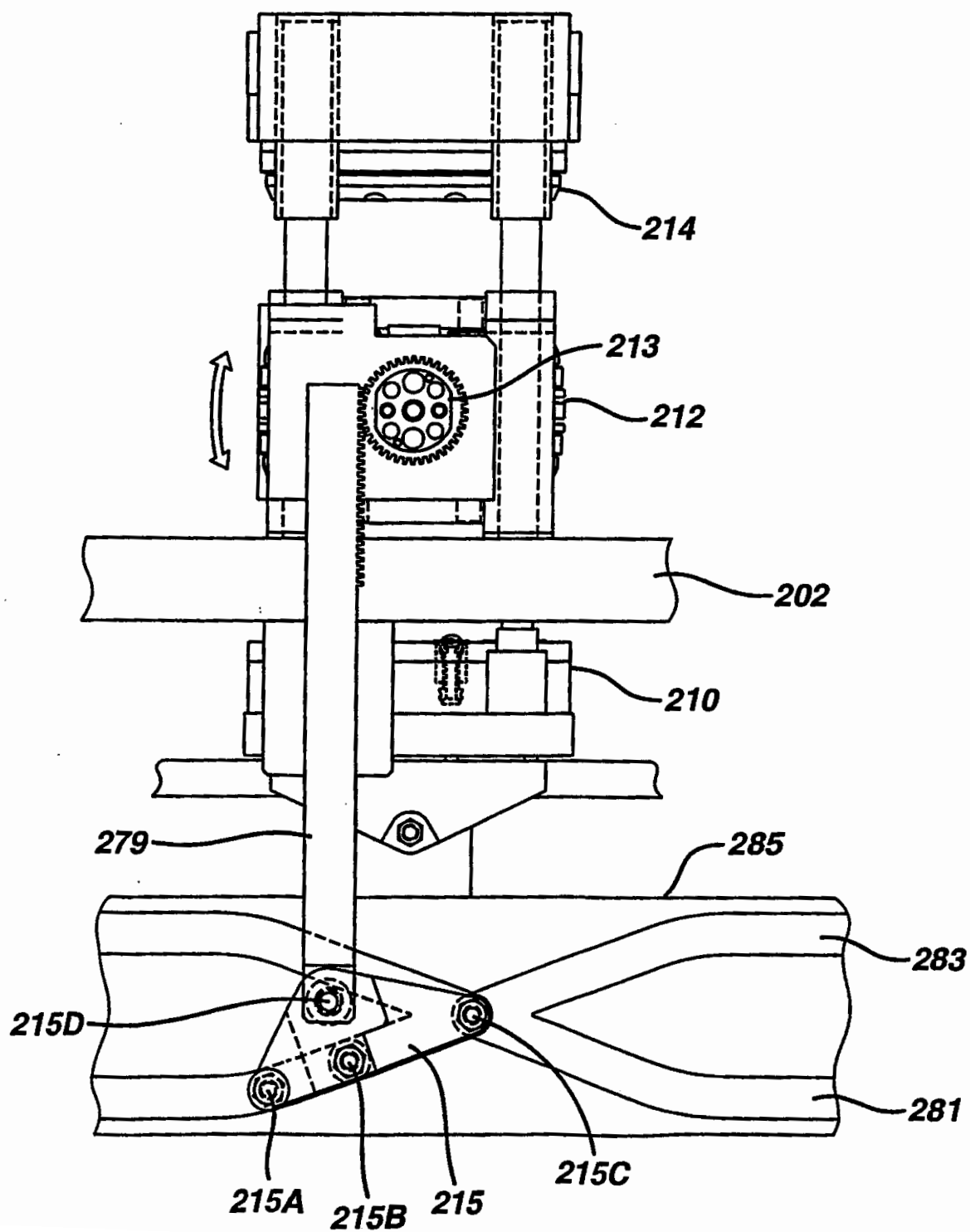
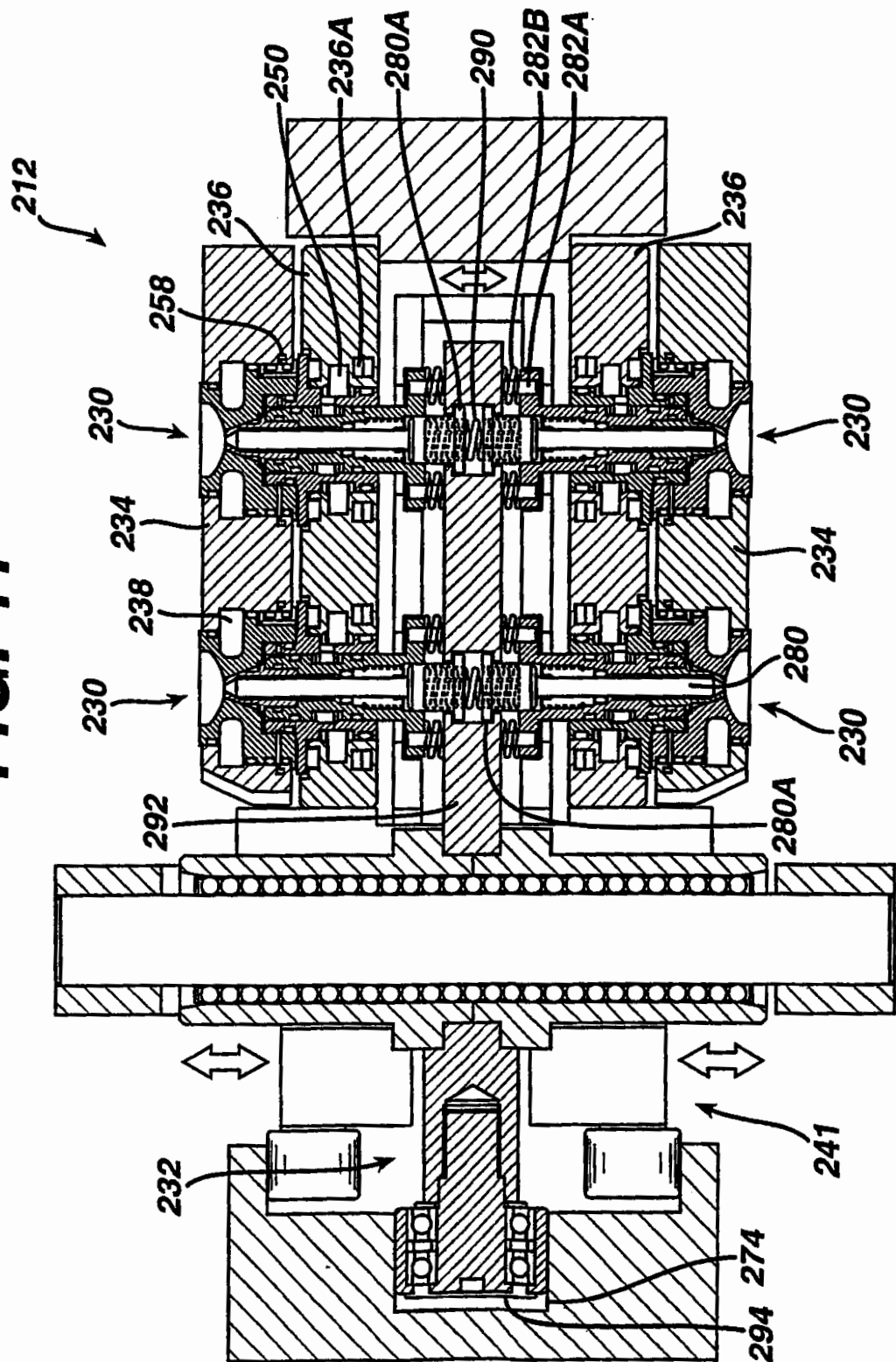
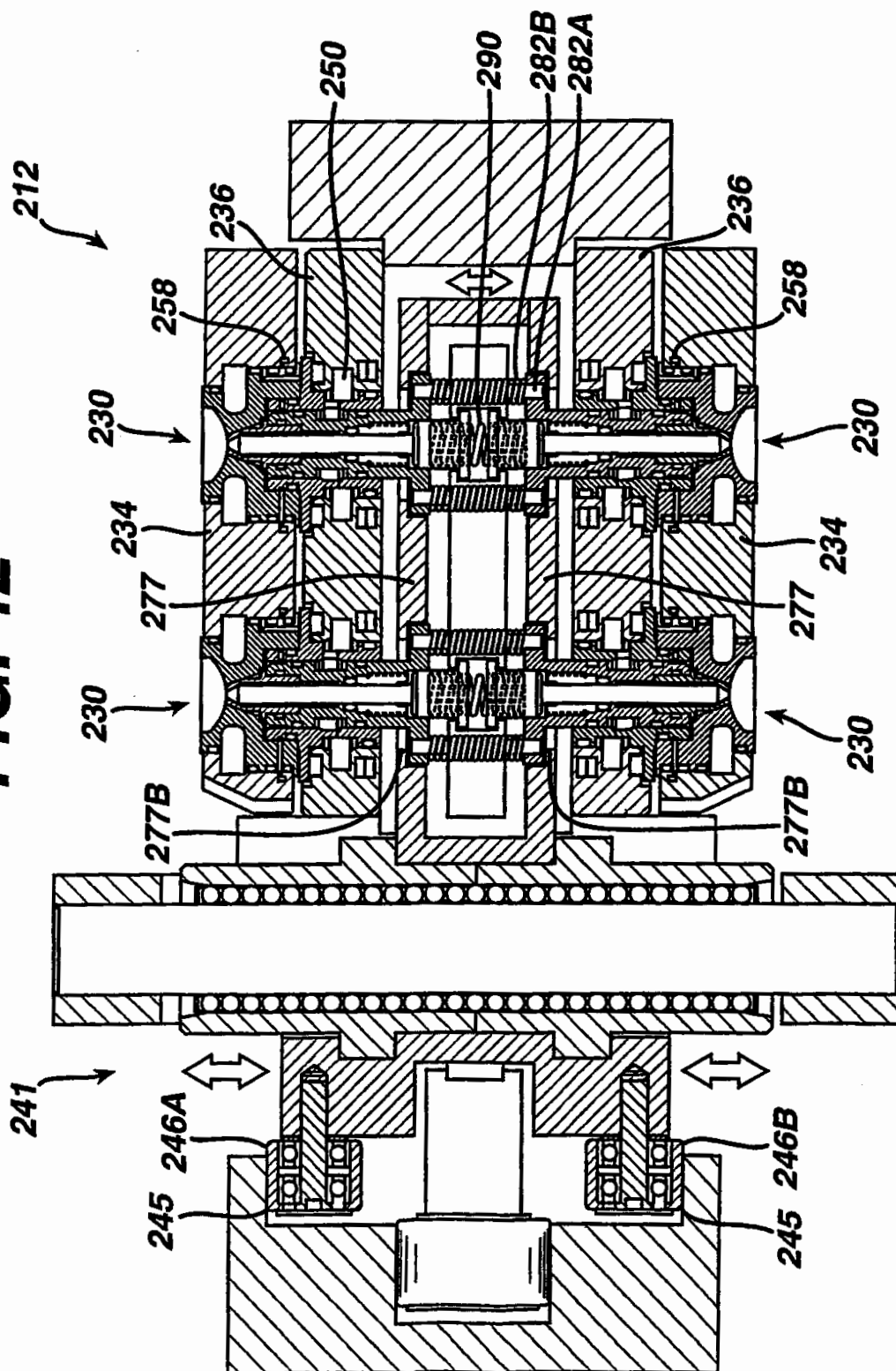
FIG. 40

FIG. 41

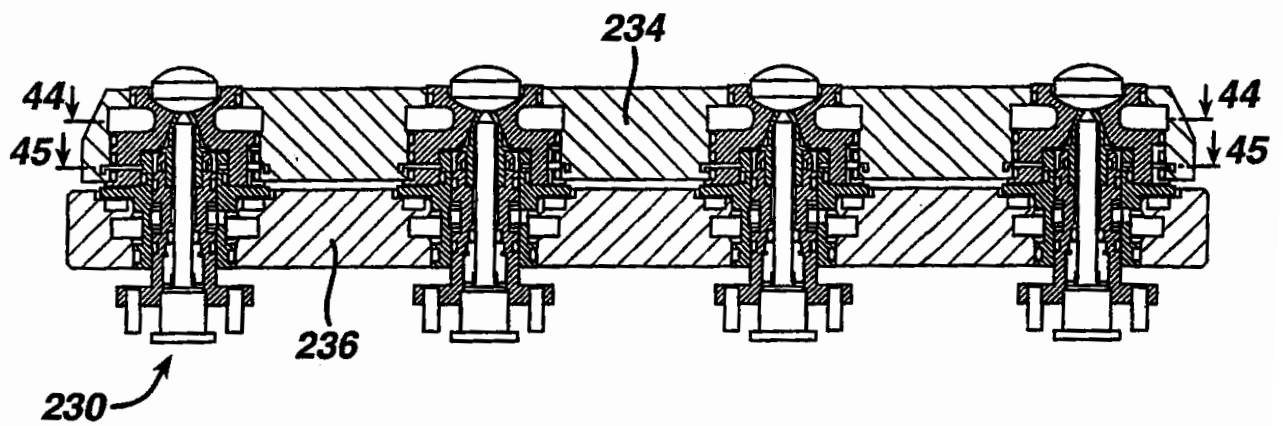


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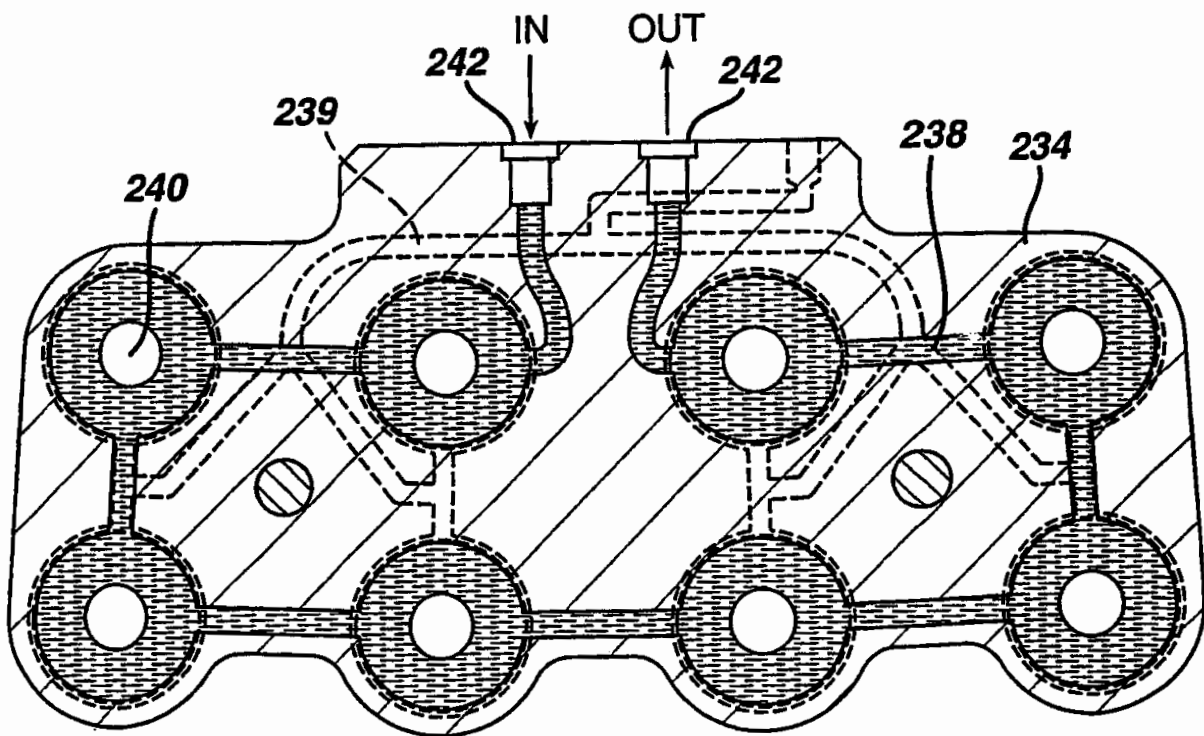
FIG. 42



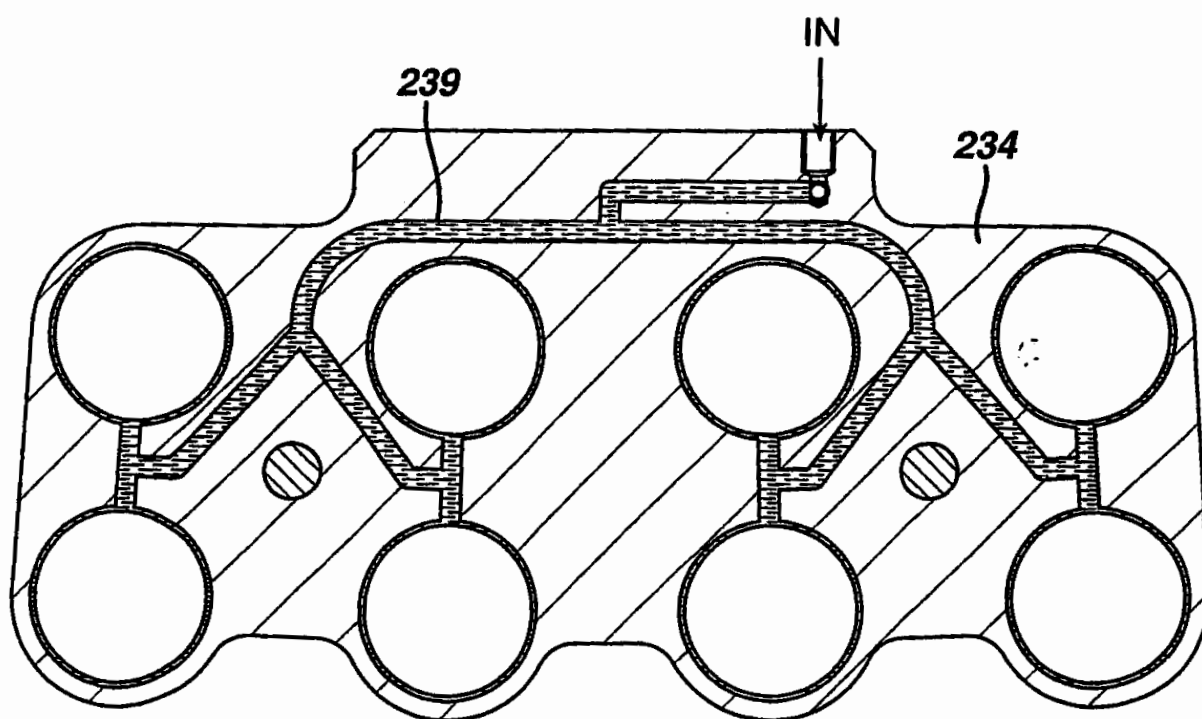
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FIG. 43

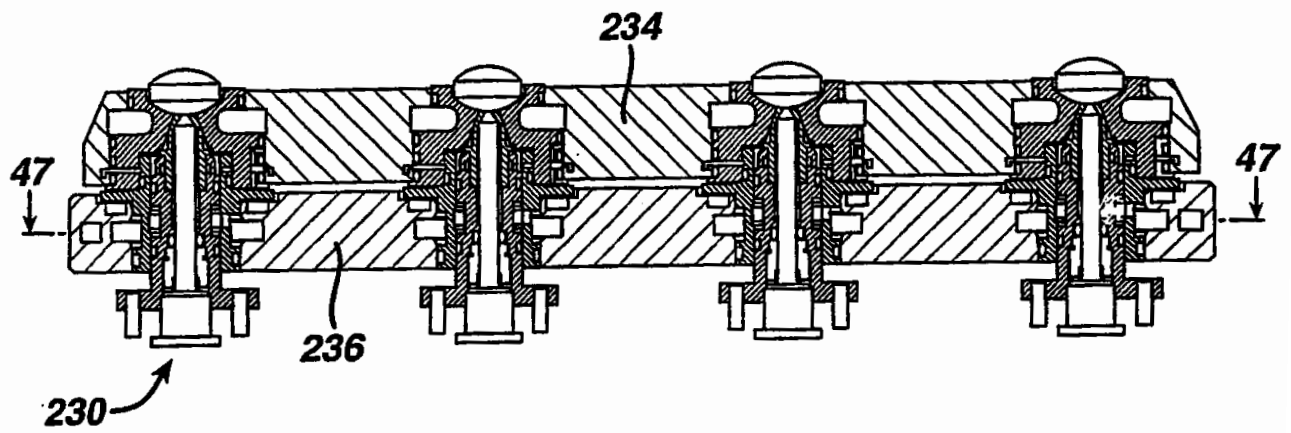
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FIG. 44

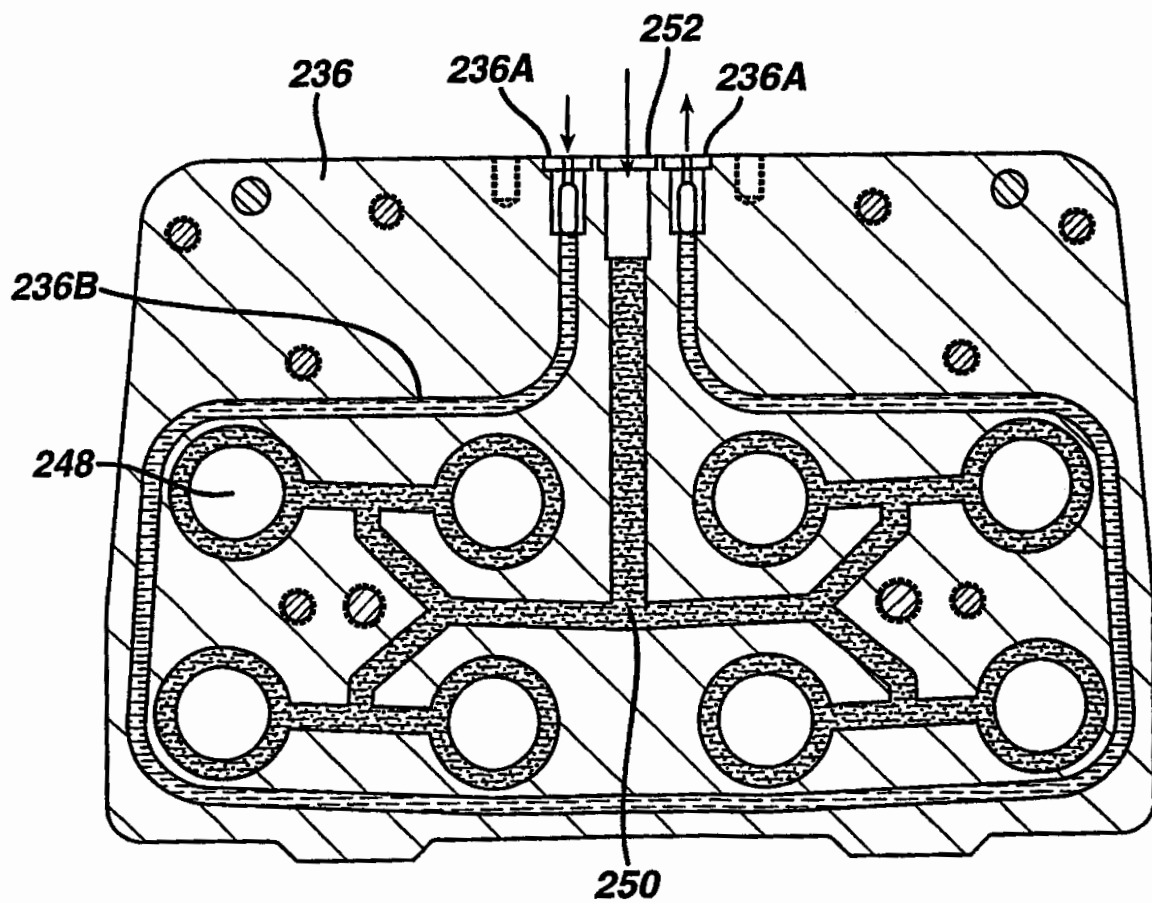
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FIG. 50

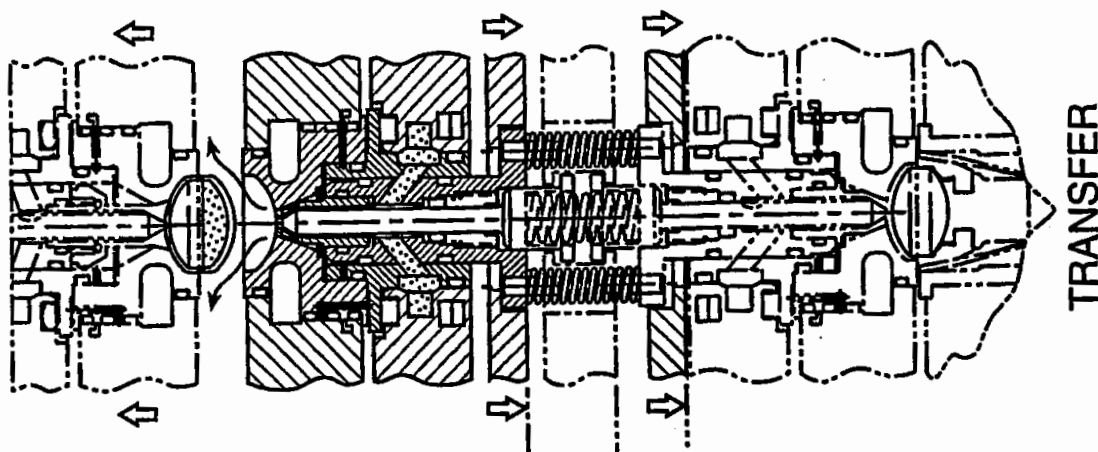


FIG. 49

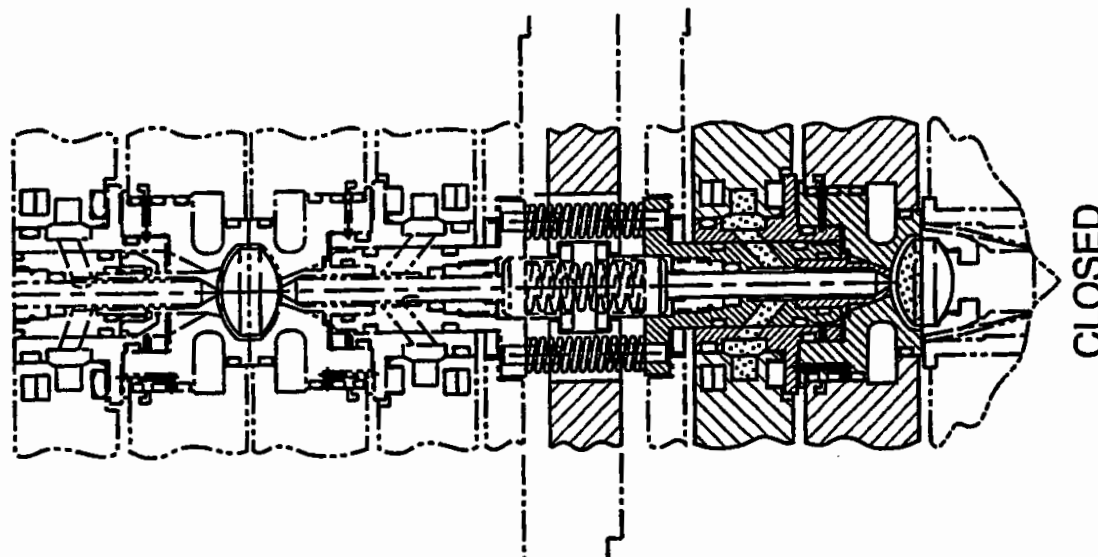
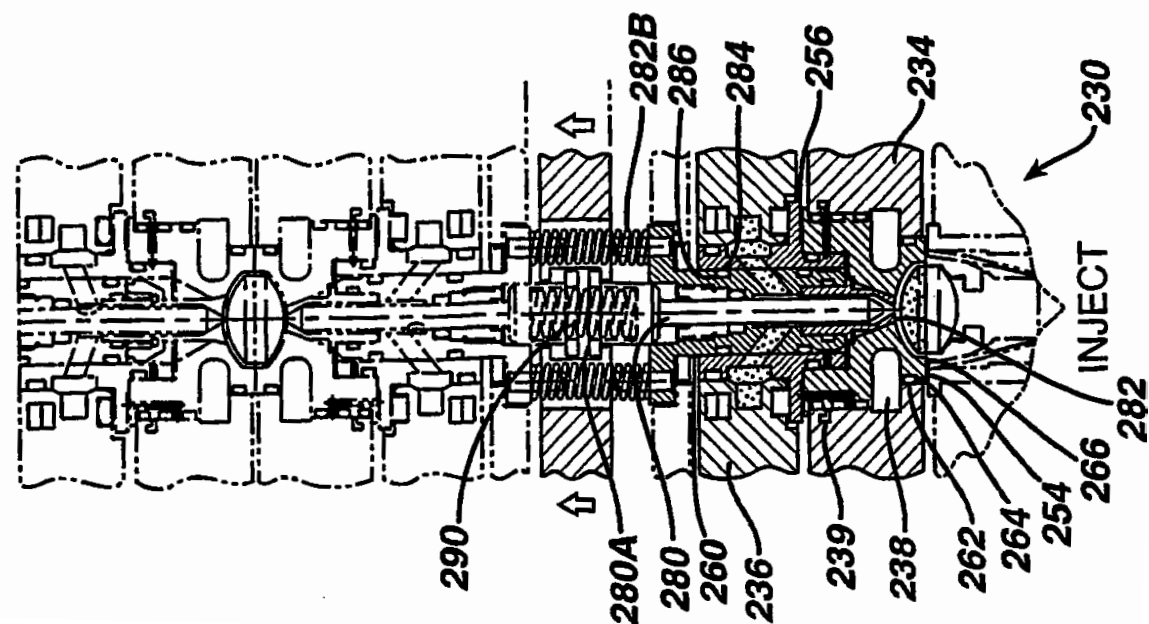
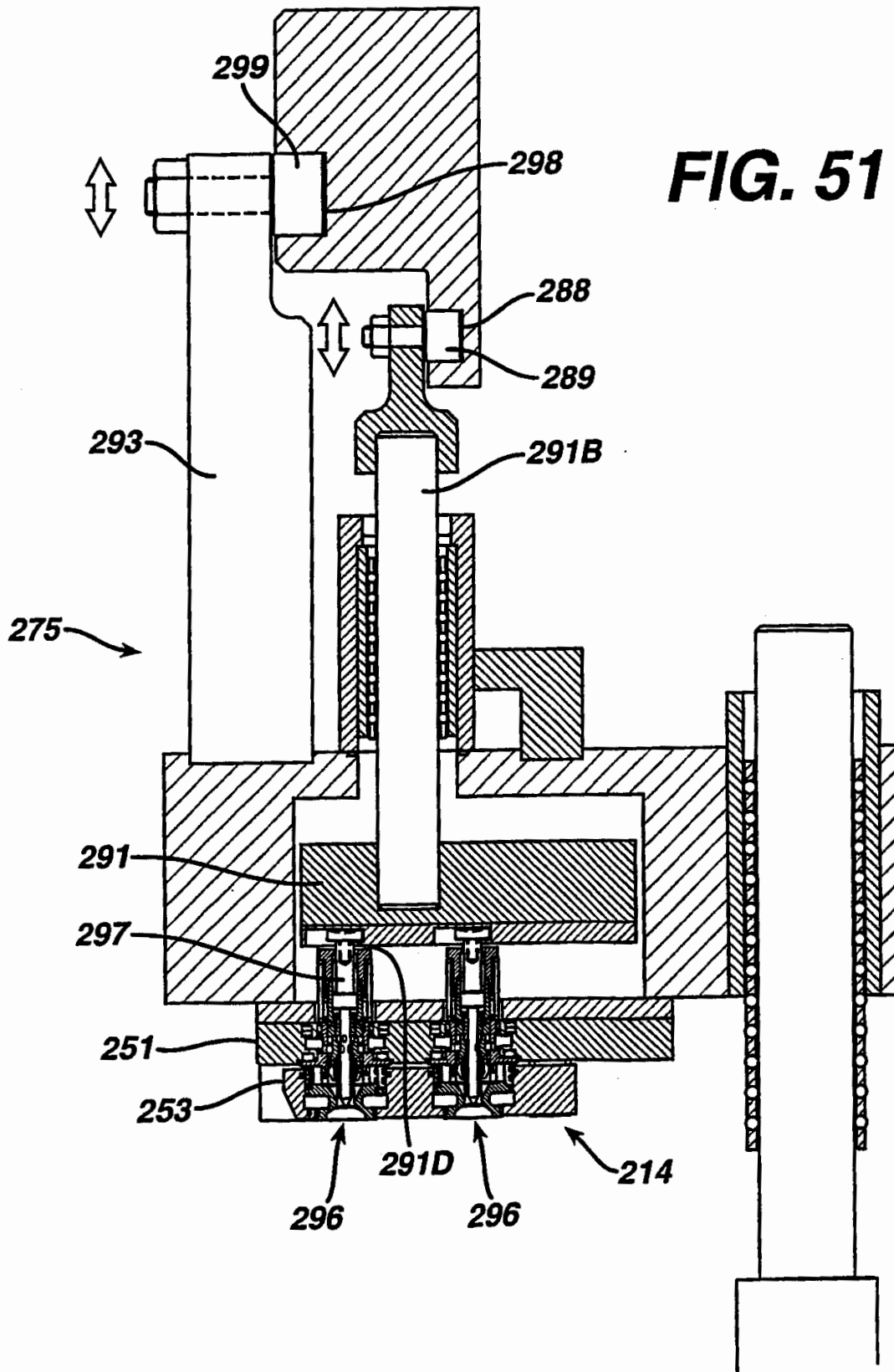
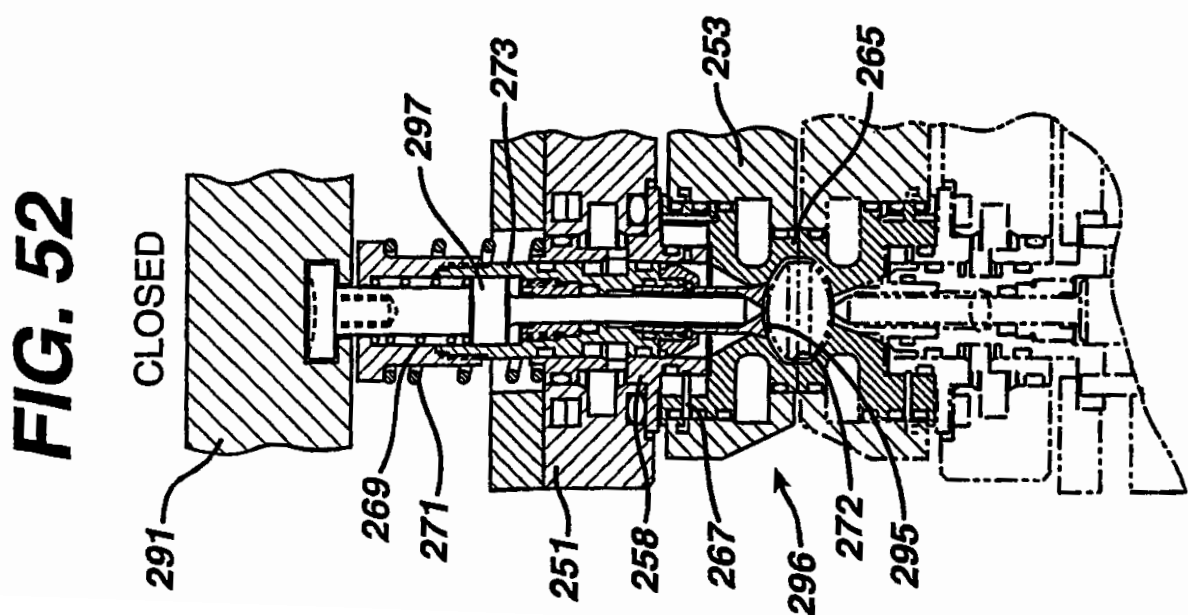
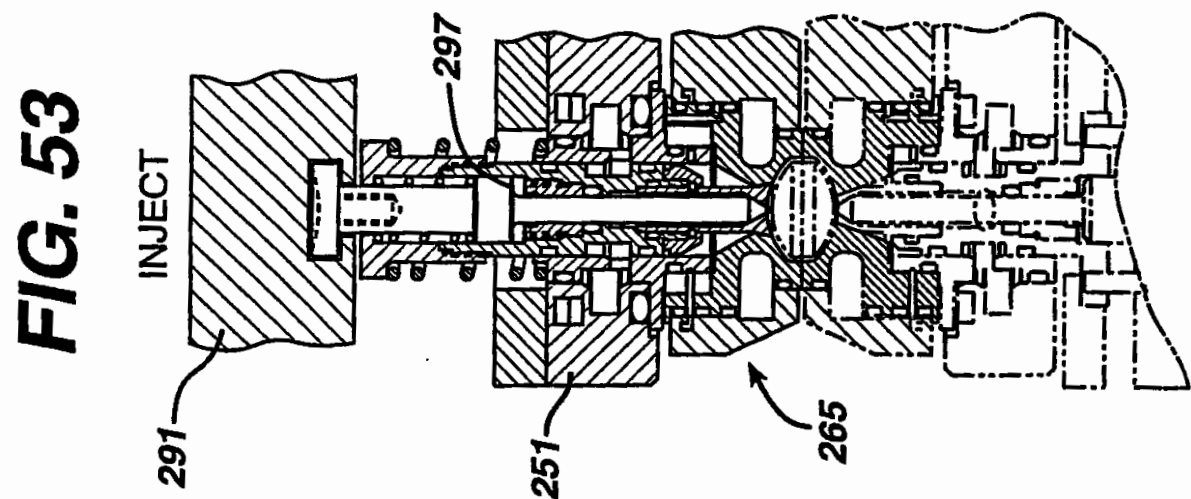
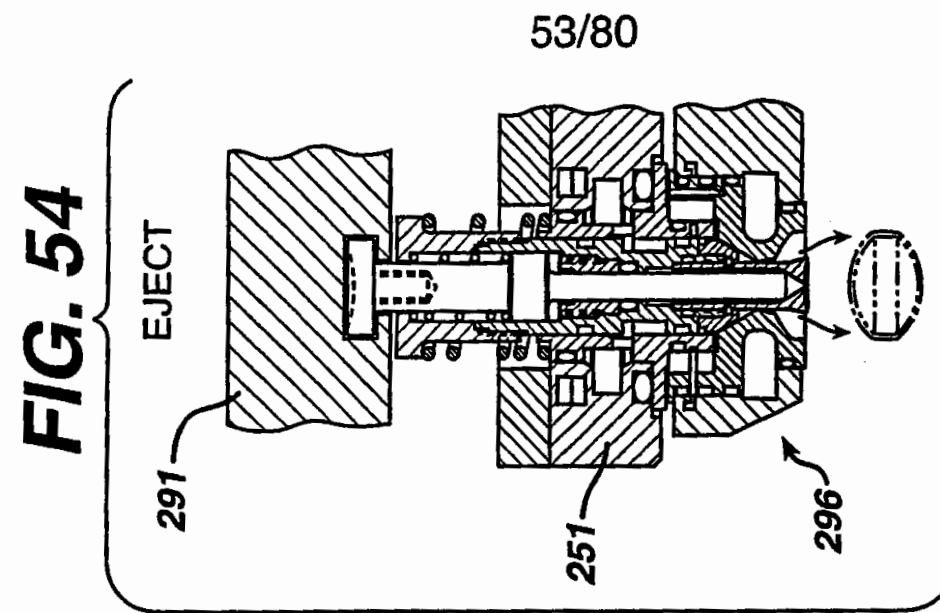


FIG. 48

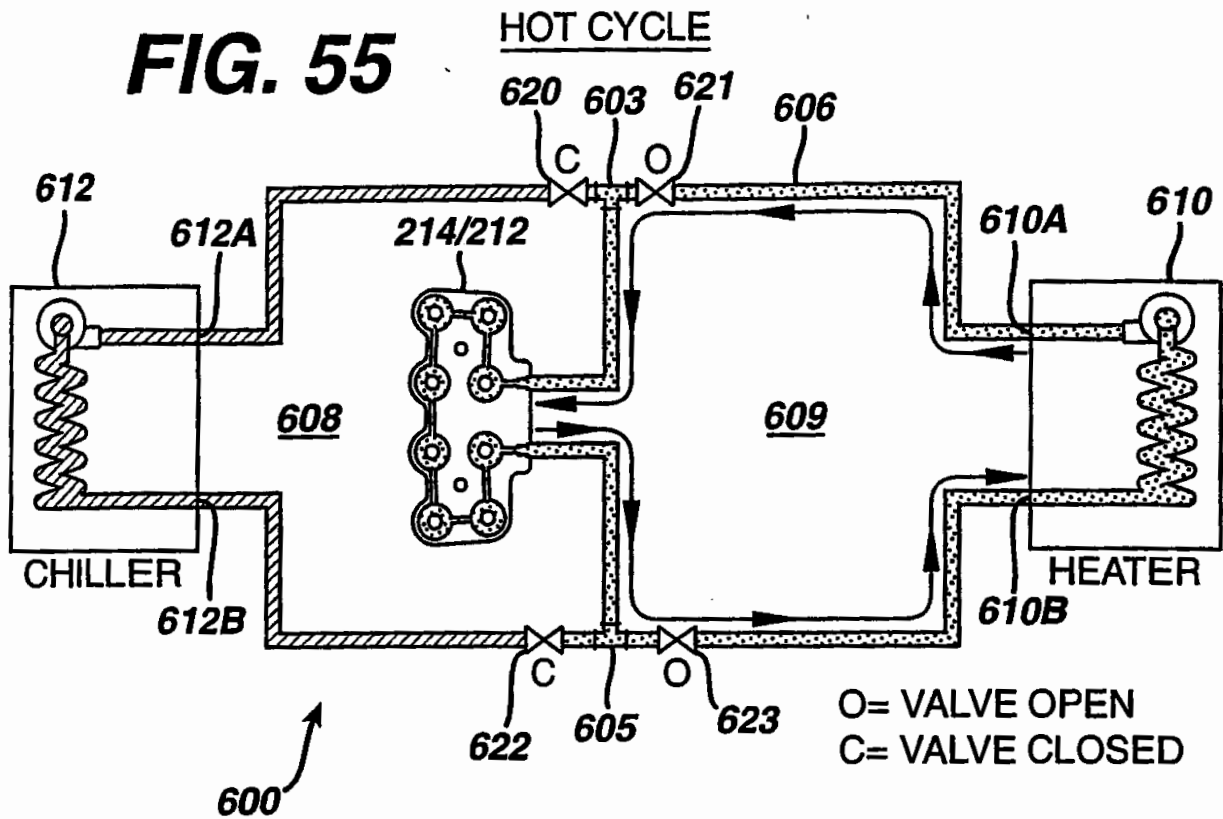
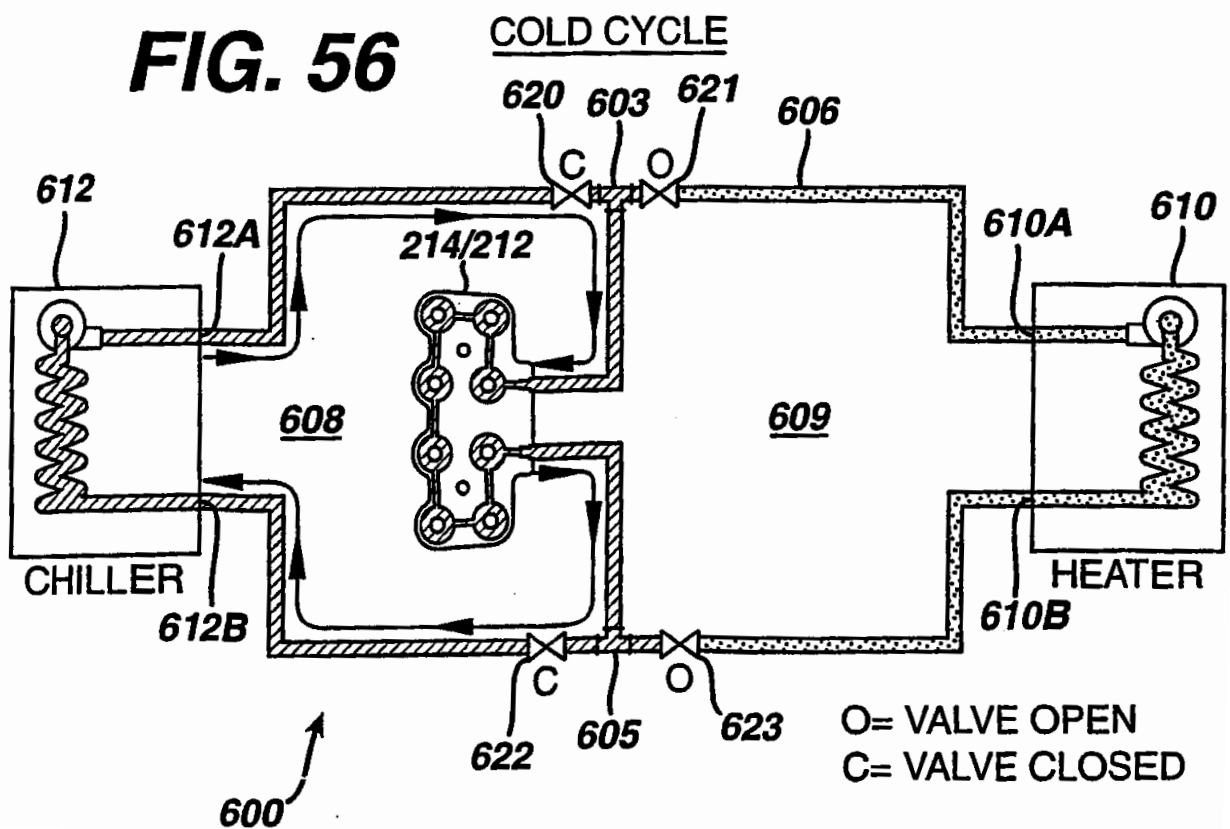


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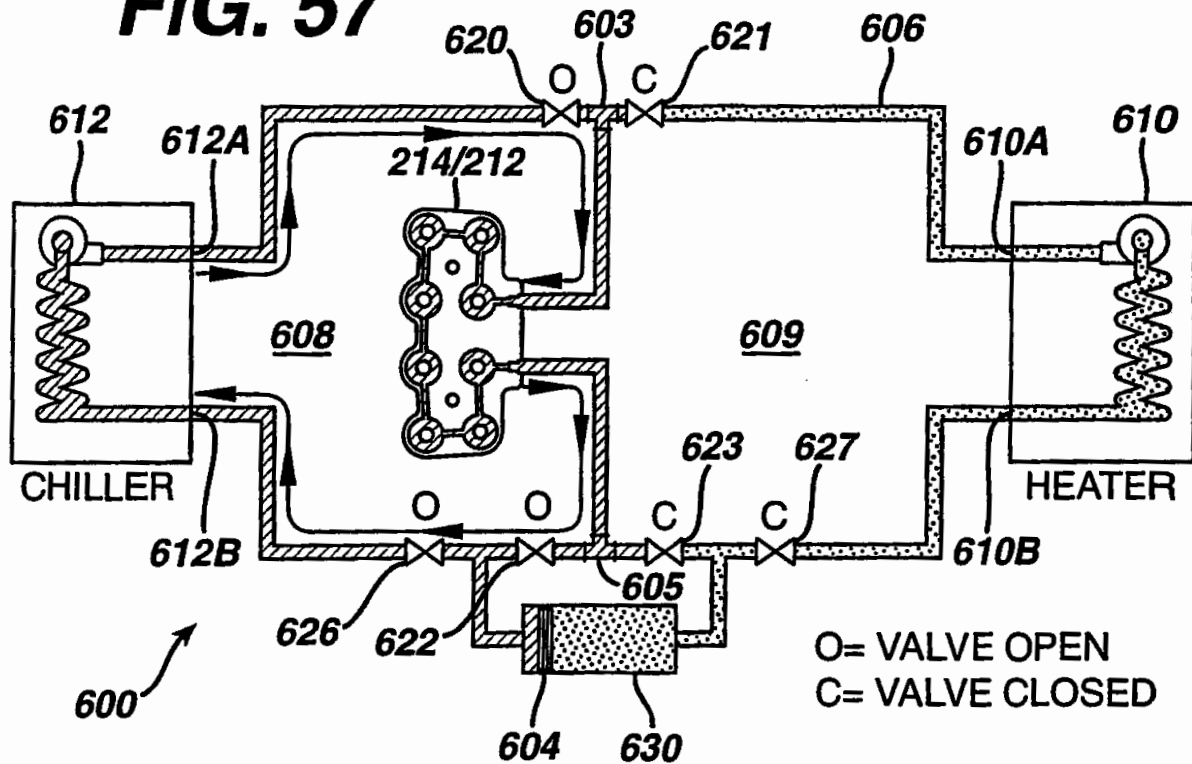
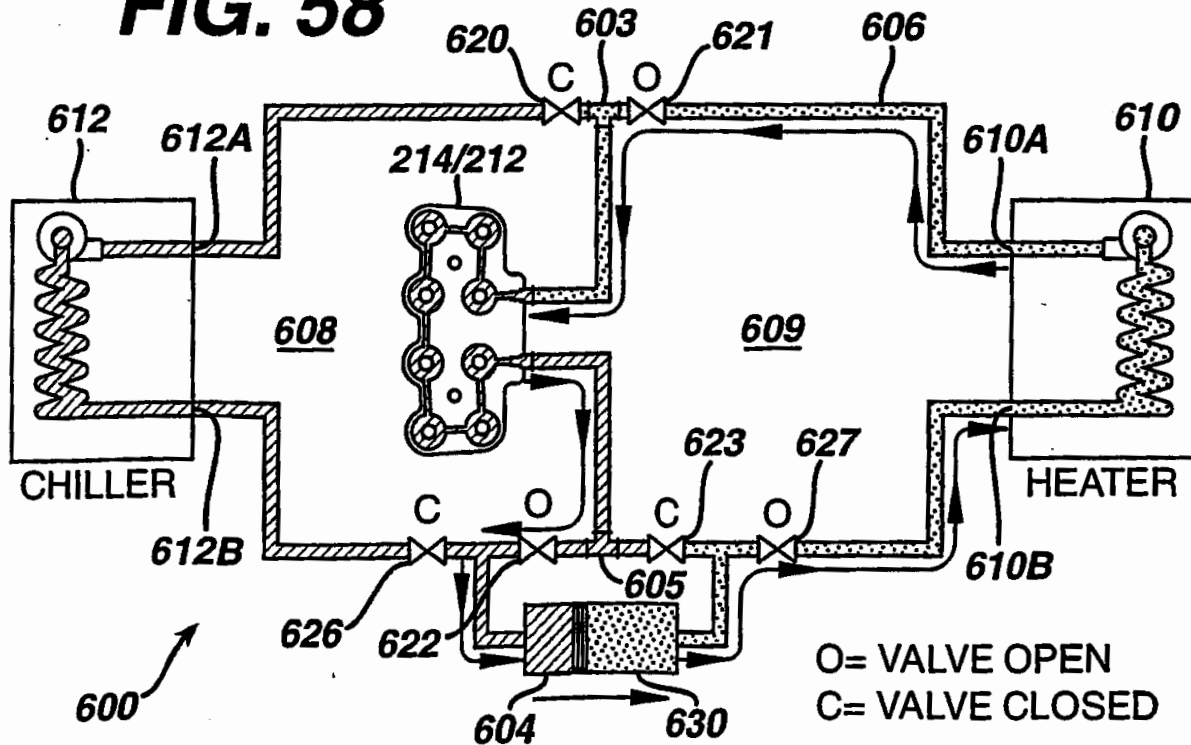




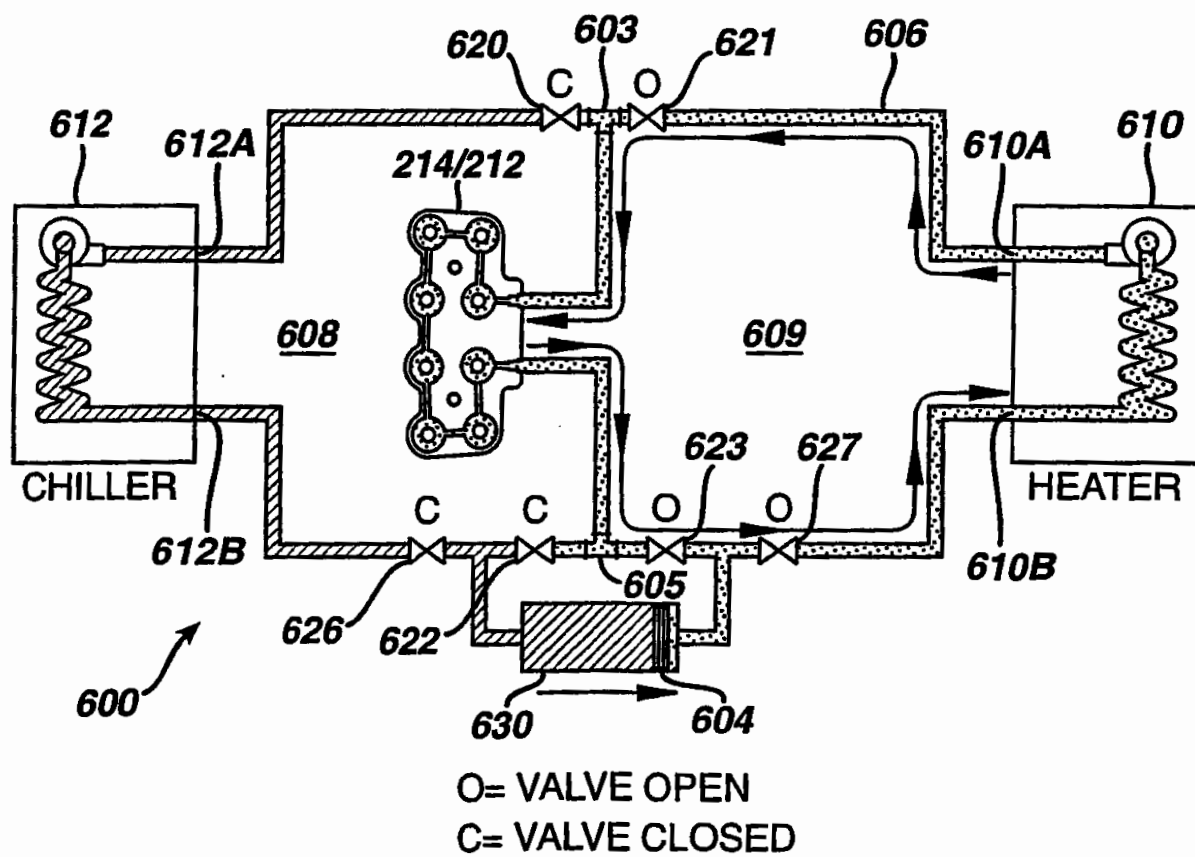
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FIG. 55**FIG. 56**

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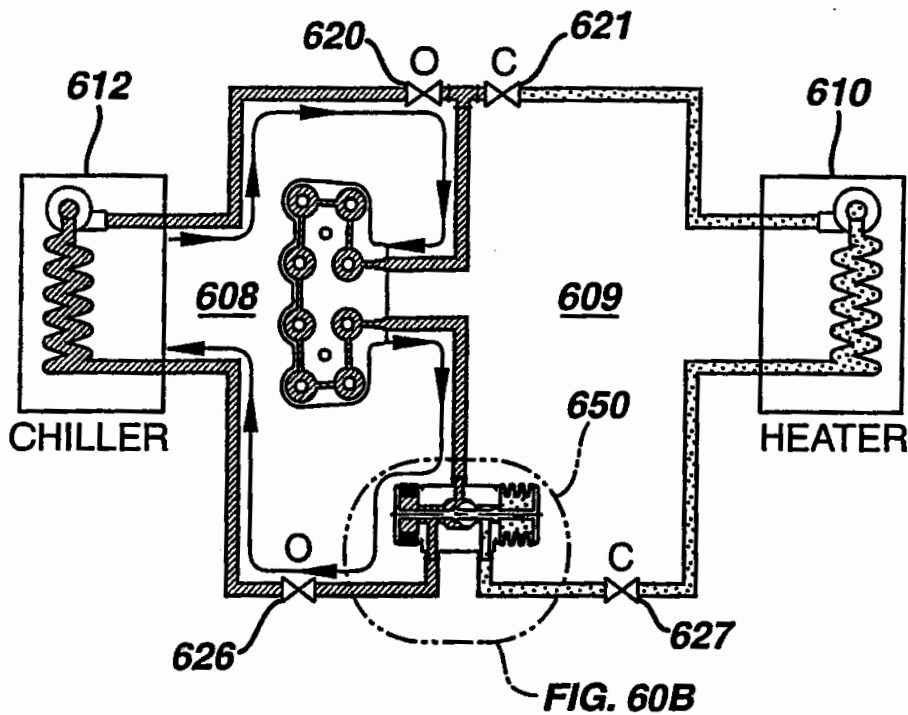
FIG. 57**FIG. 58**

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FIG. 59

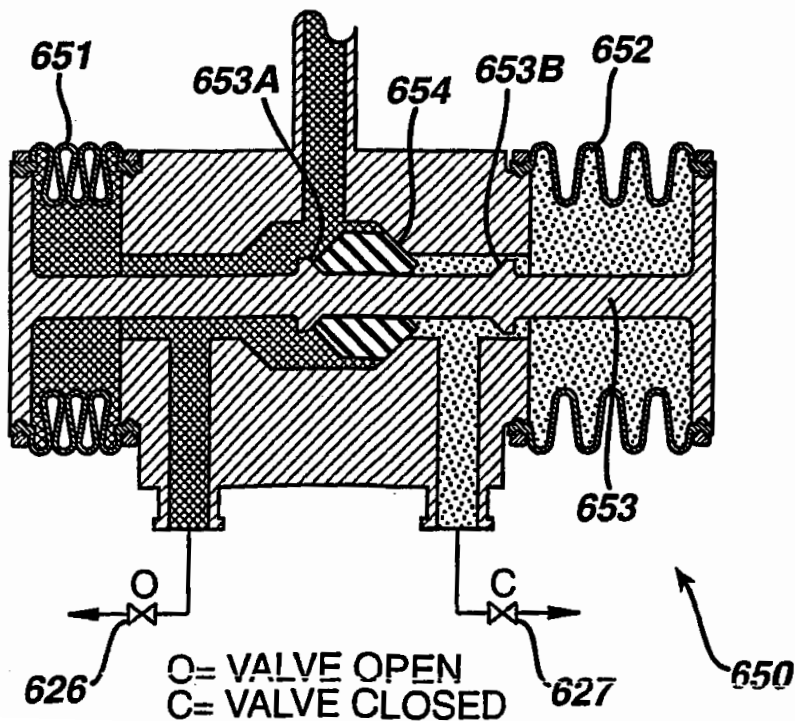
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FIG. 60A

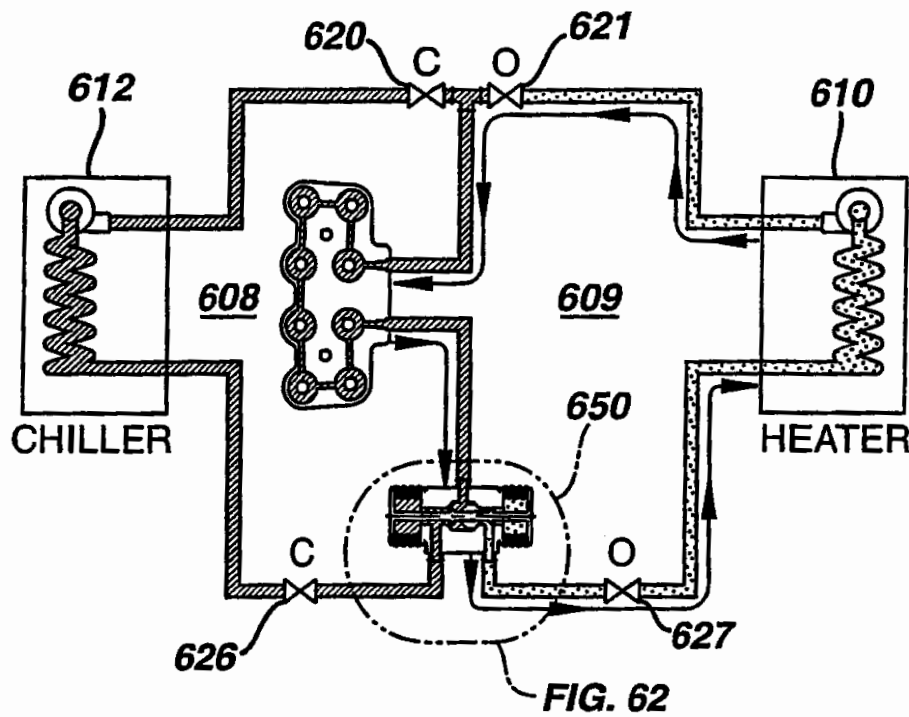
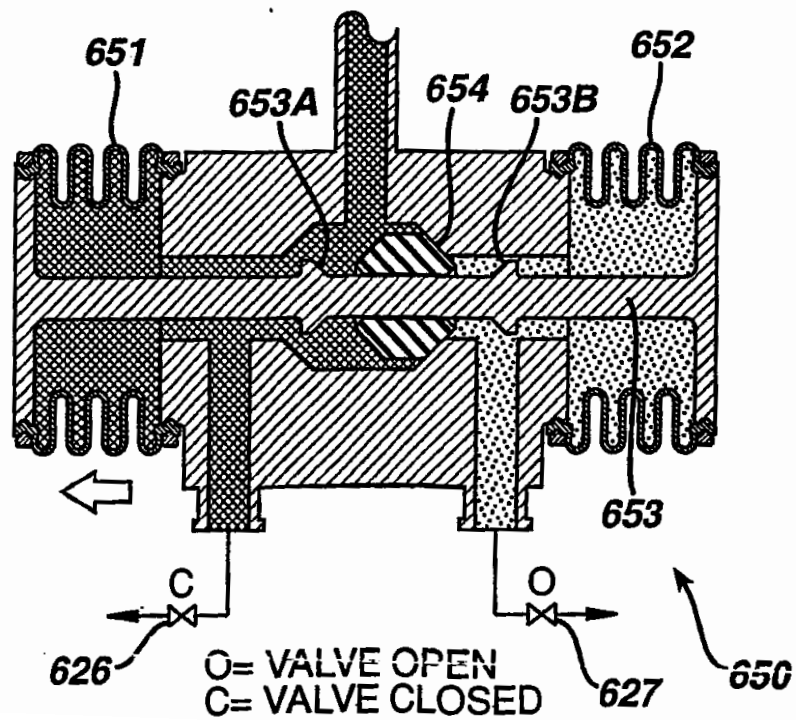


O= VALVE OPEN
C= VALVE CLOSED

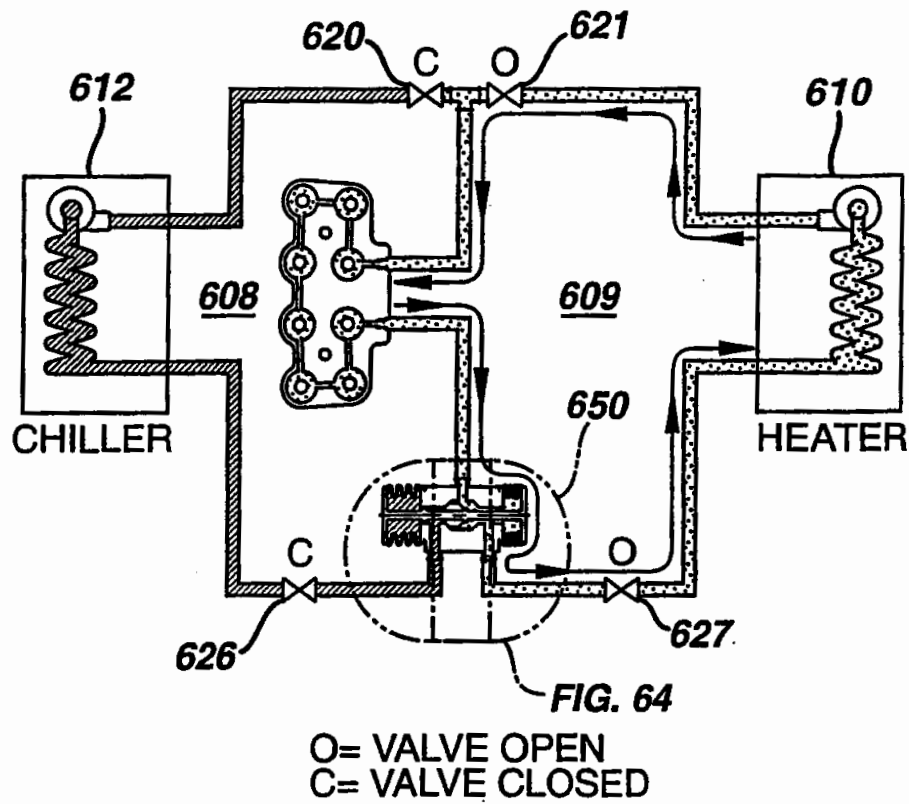
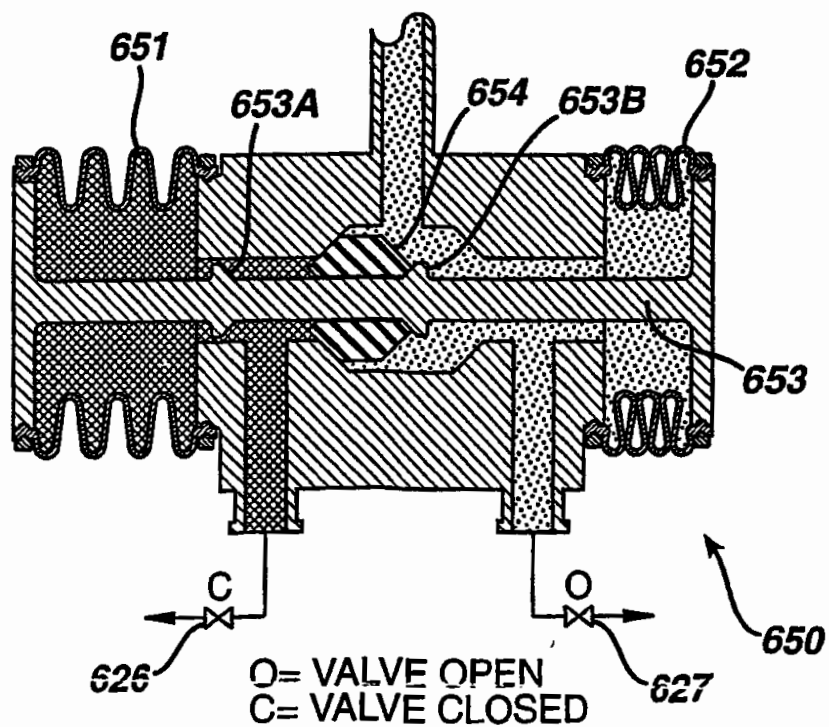
FIG. 60B



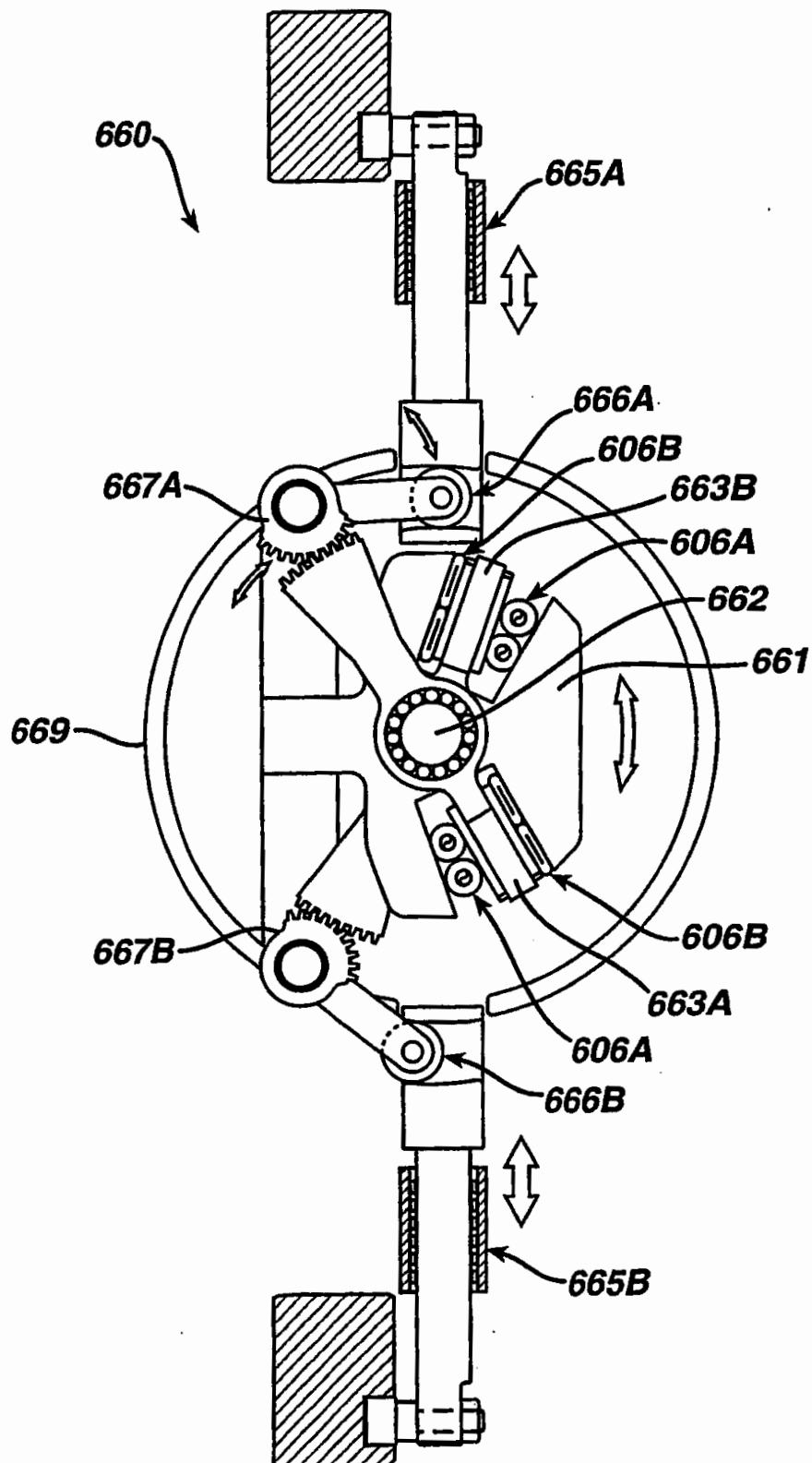
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FIG. 61**FIG. 62**

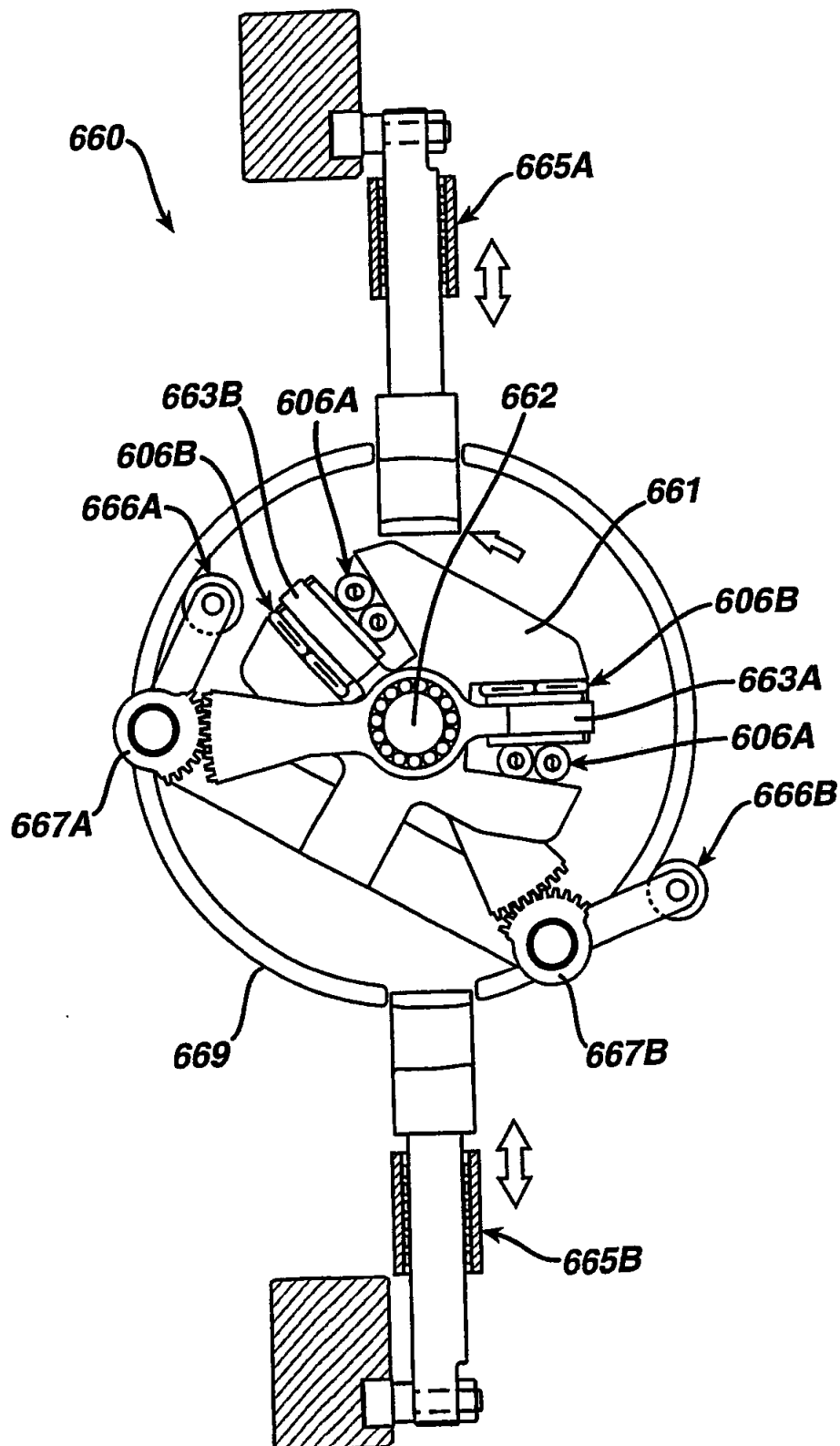
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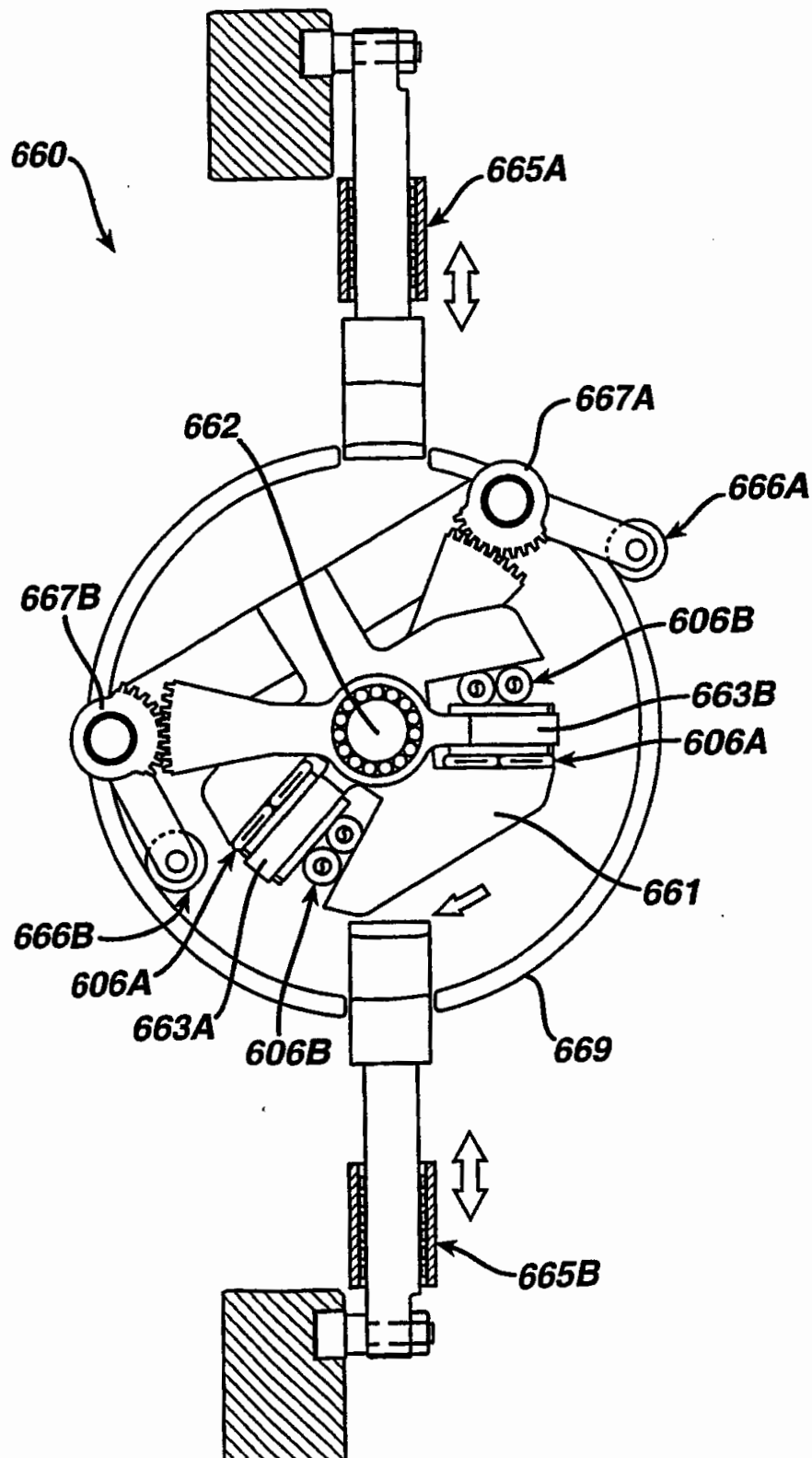
FIG. 63**FIG. 64**

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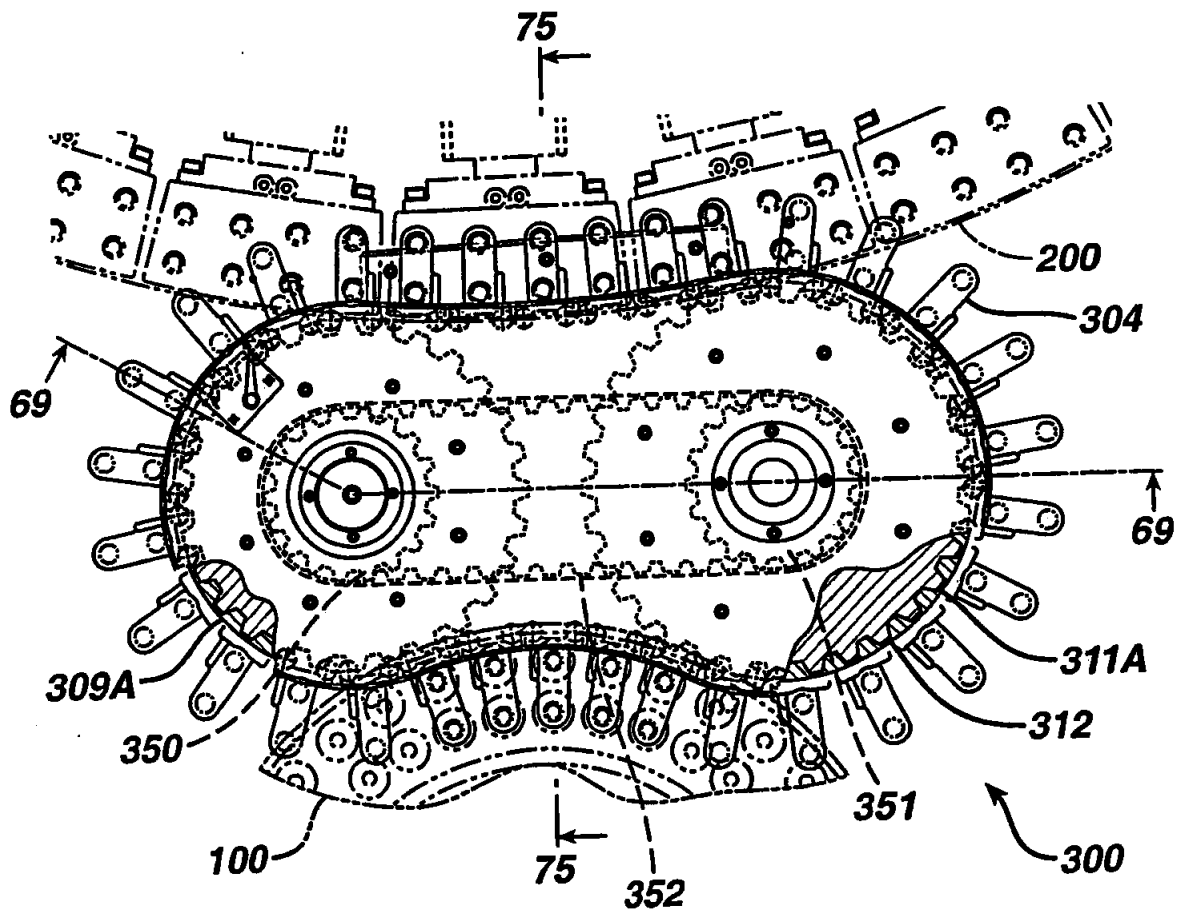
FIG. 65

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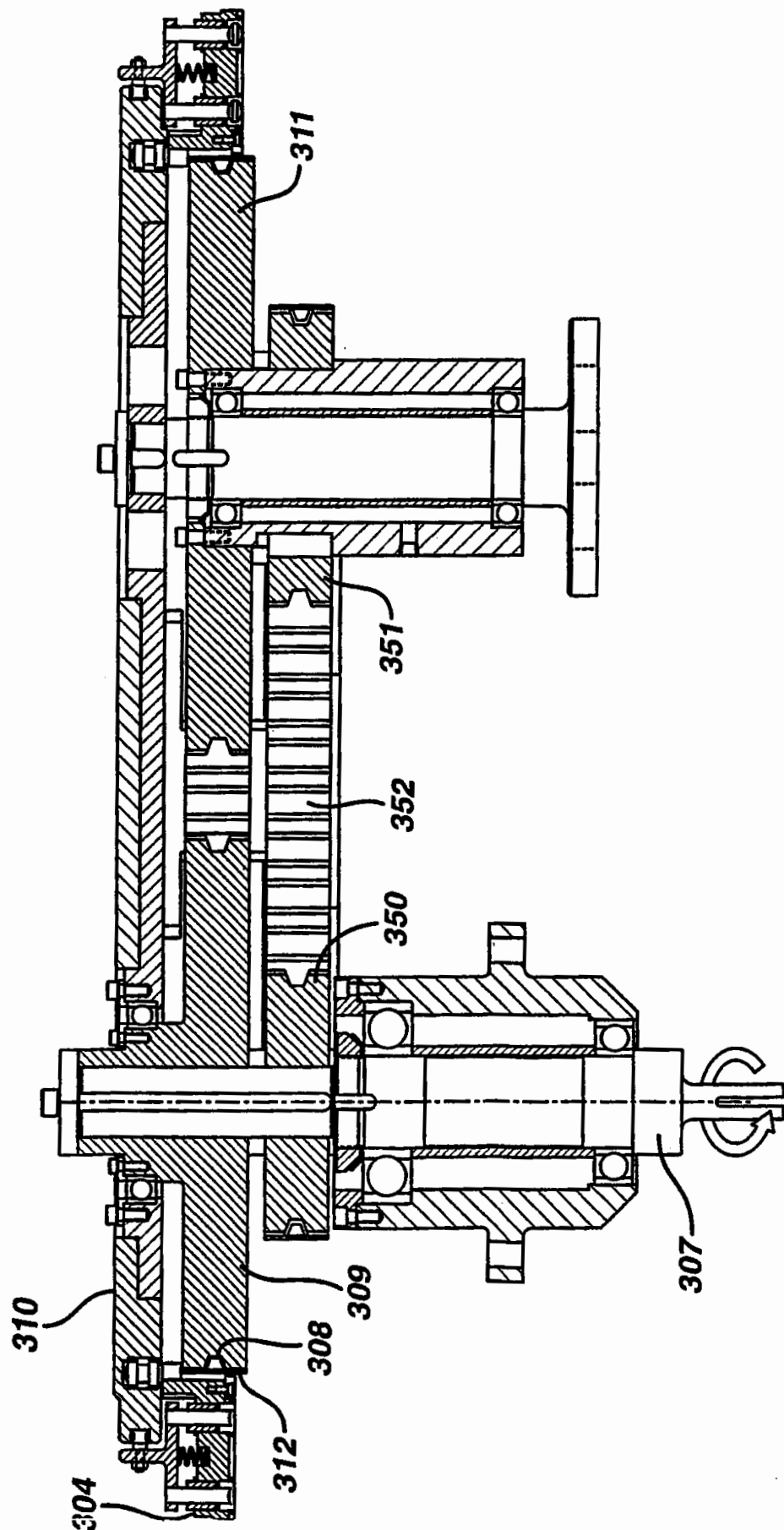
FIG. 66



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FIG. 68

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FIG. 72

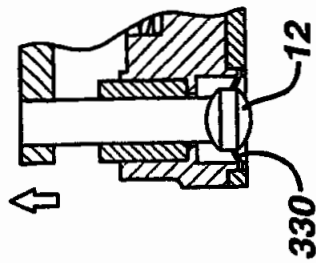


FIG. 73

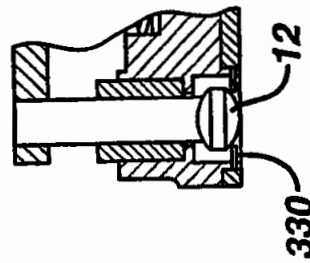


FIG. 74

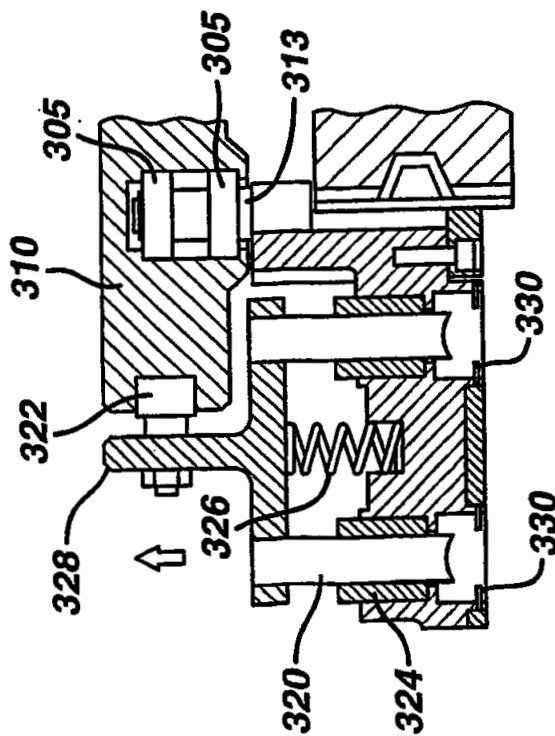
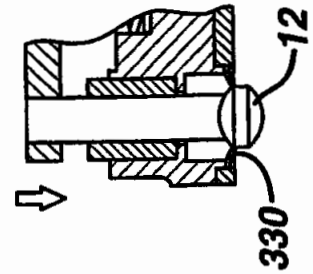


FIG. 70

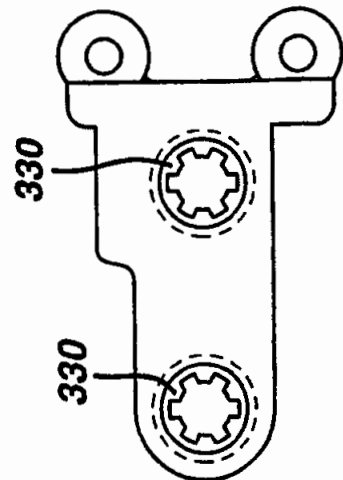


FIG. 71

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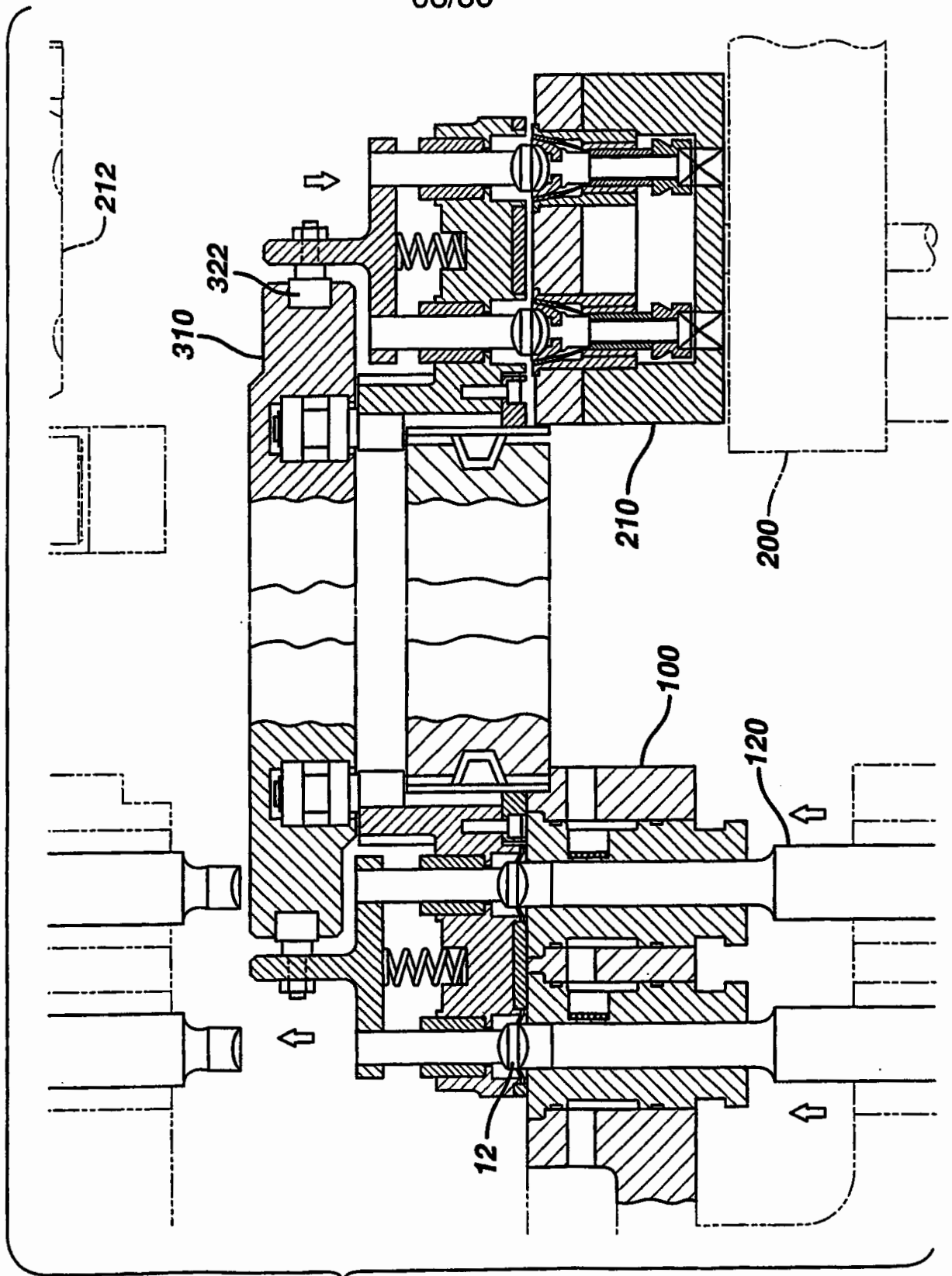
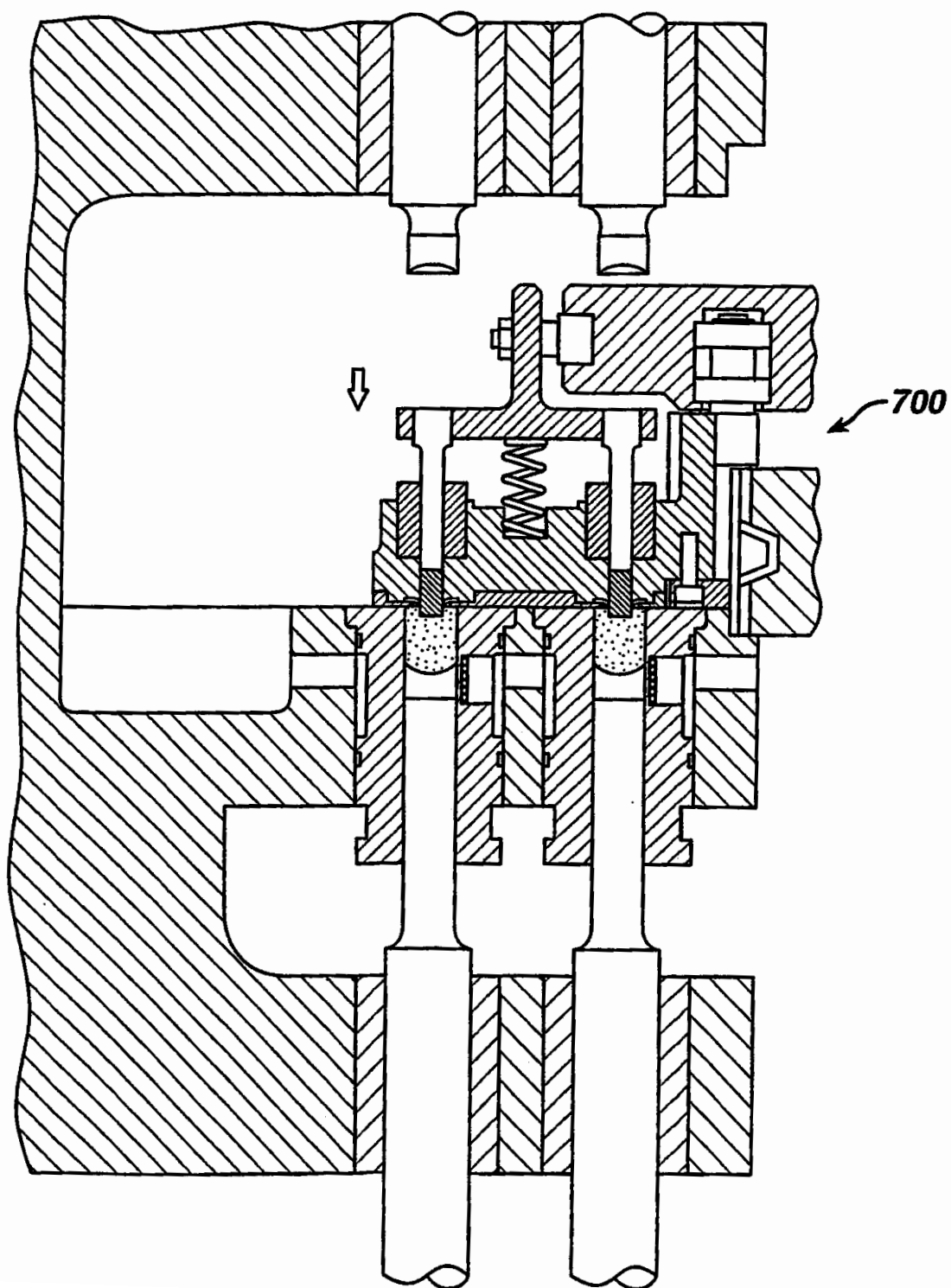
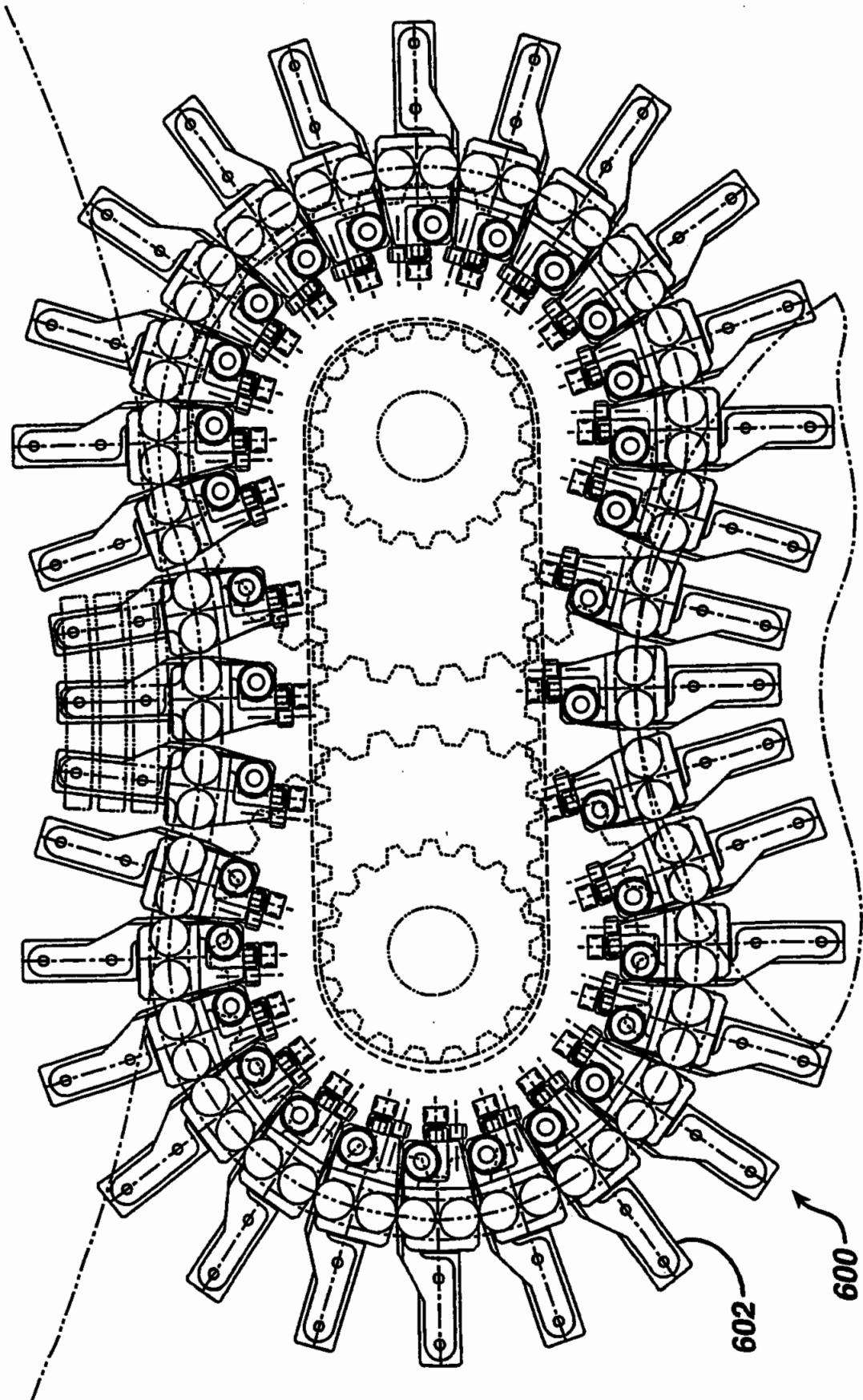


FIG. 75

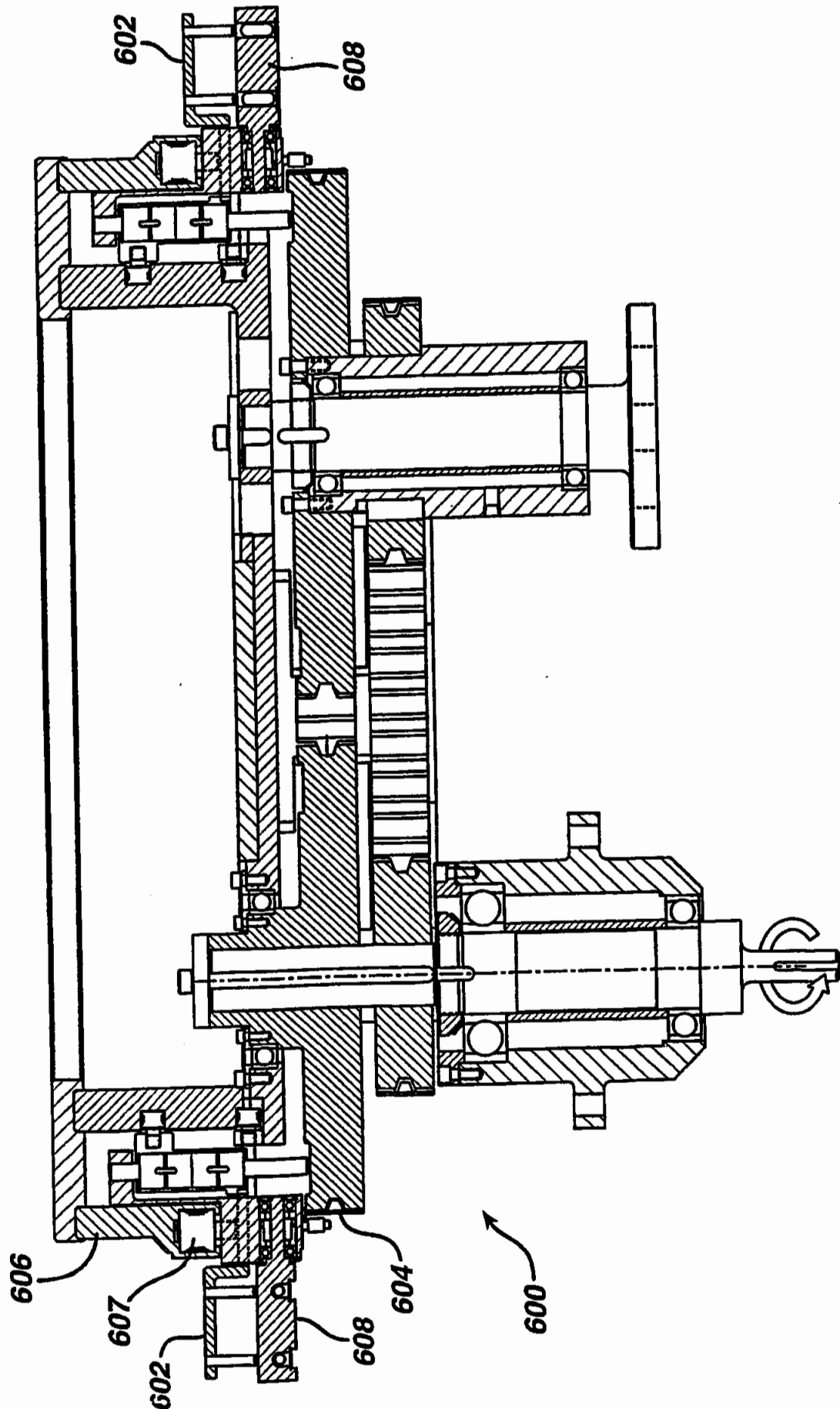
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FIG. 78

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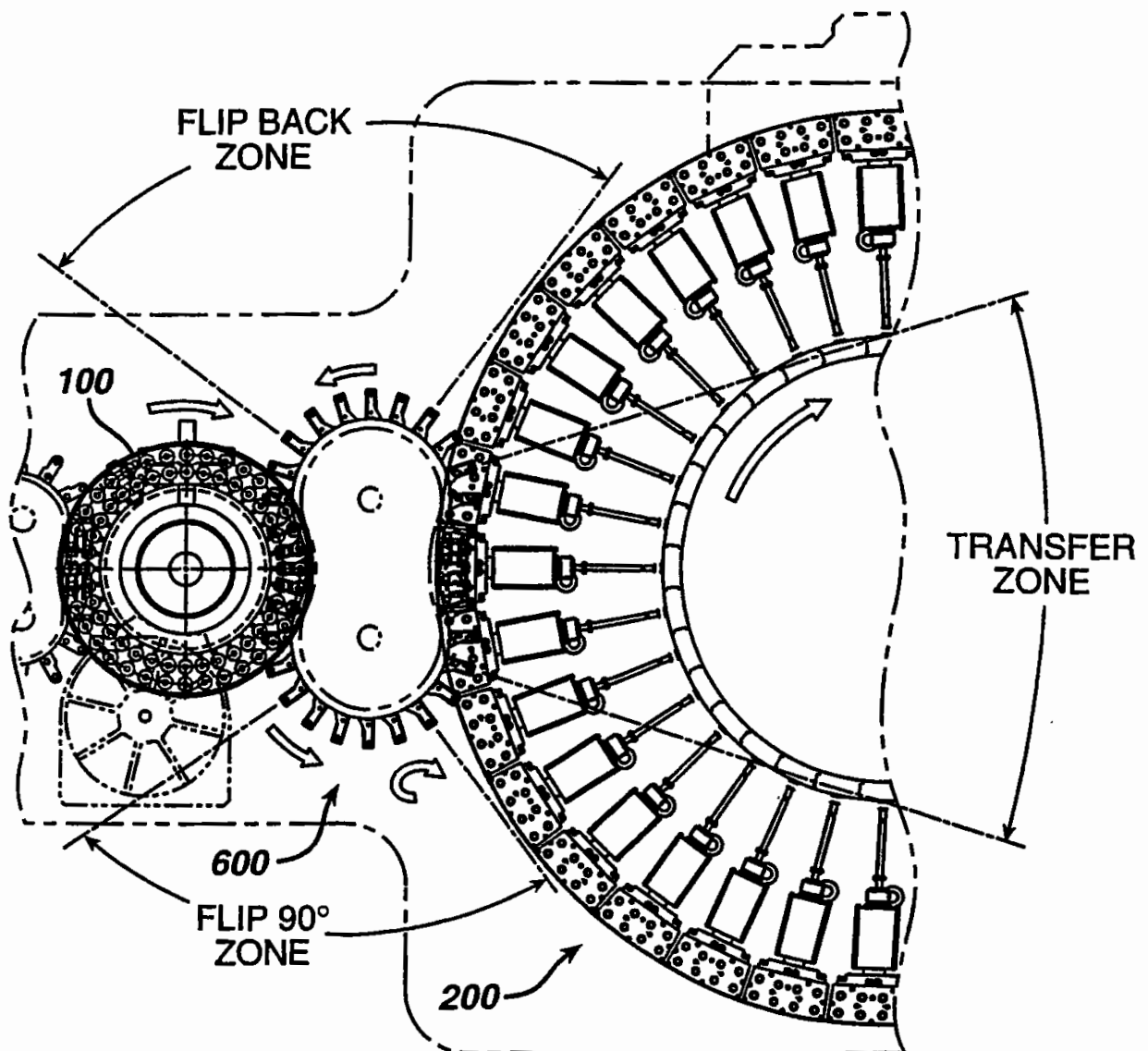
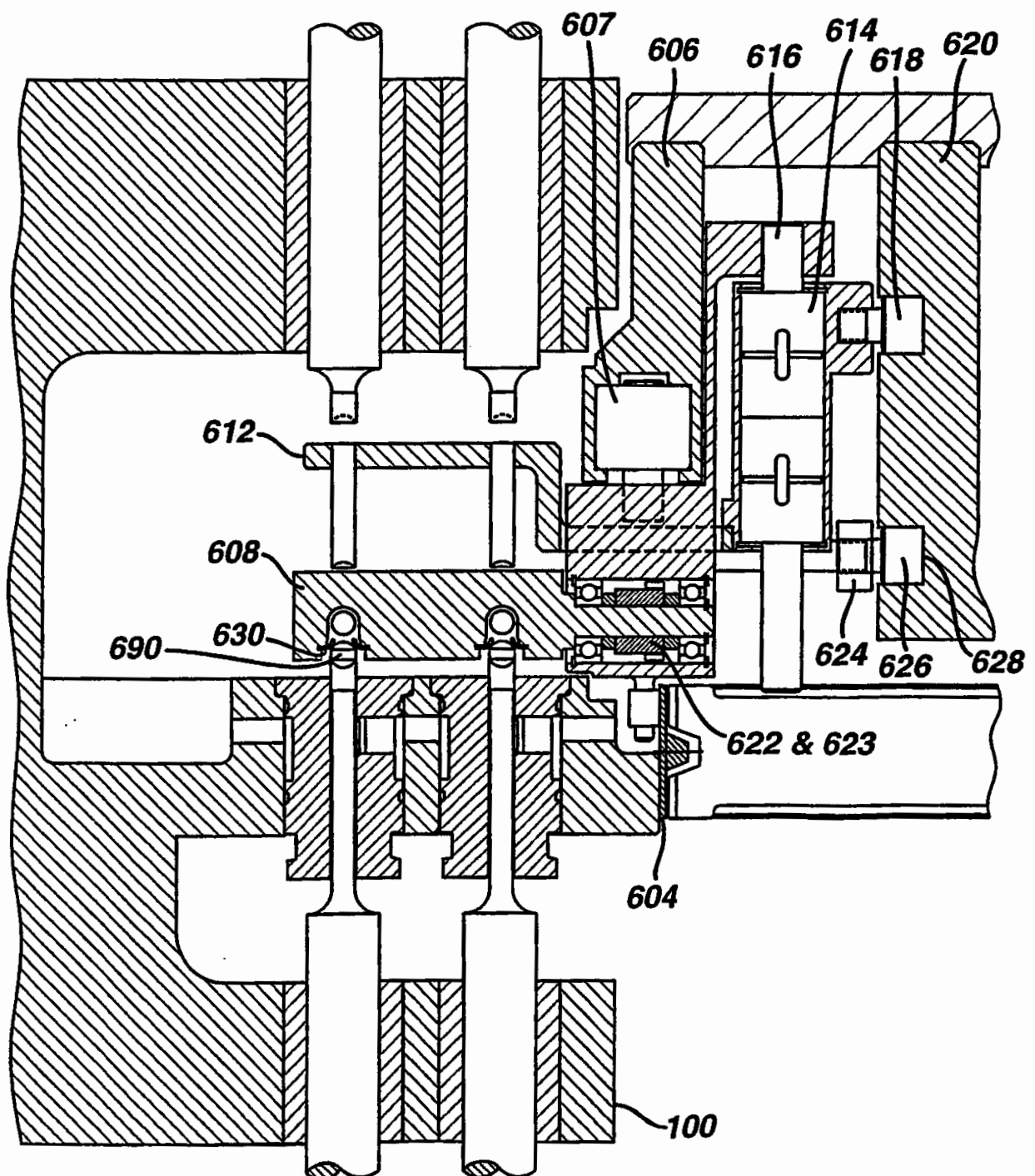
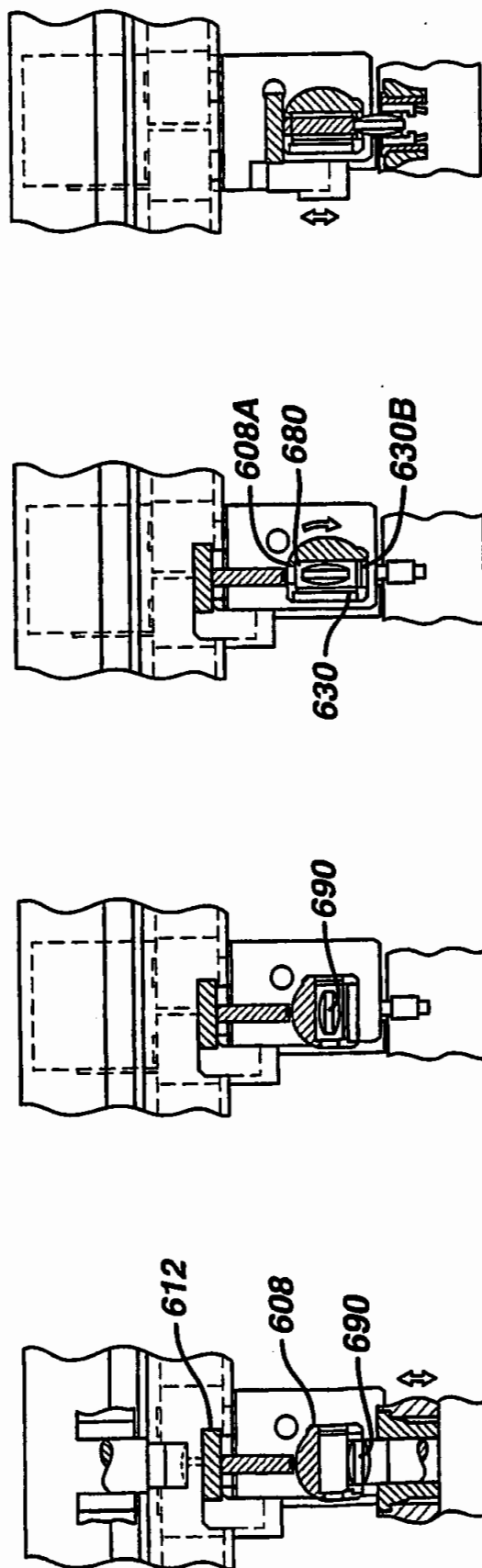
FIG. 79

FIG. 80



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FIG. 81A **FIG. 81B** **FIG. 81C** **FIG. 81D**



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FIG. 81G

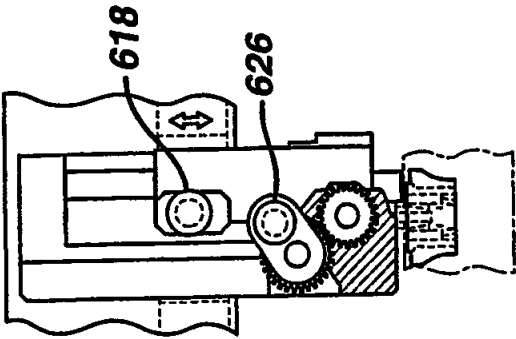


FIG. 81F

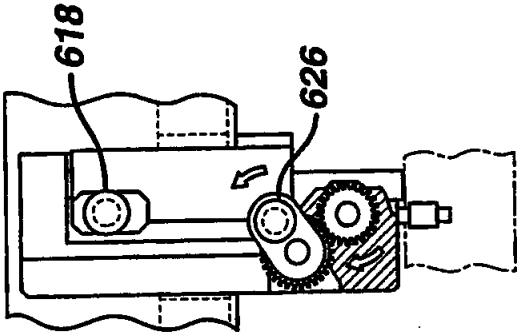
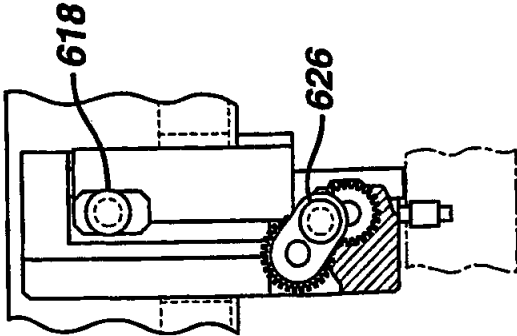
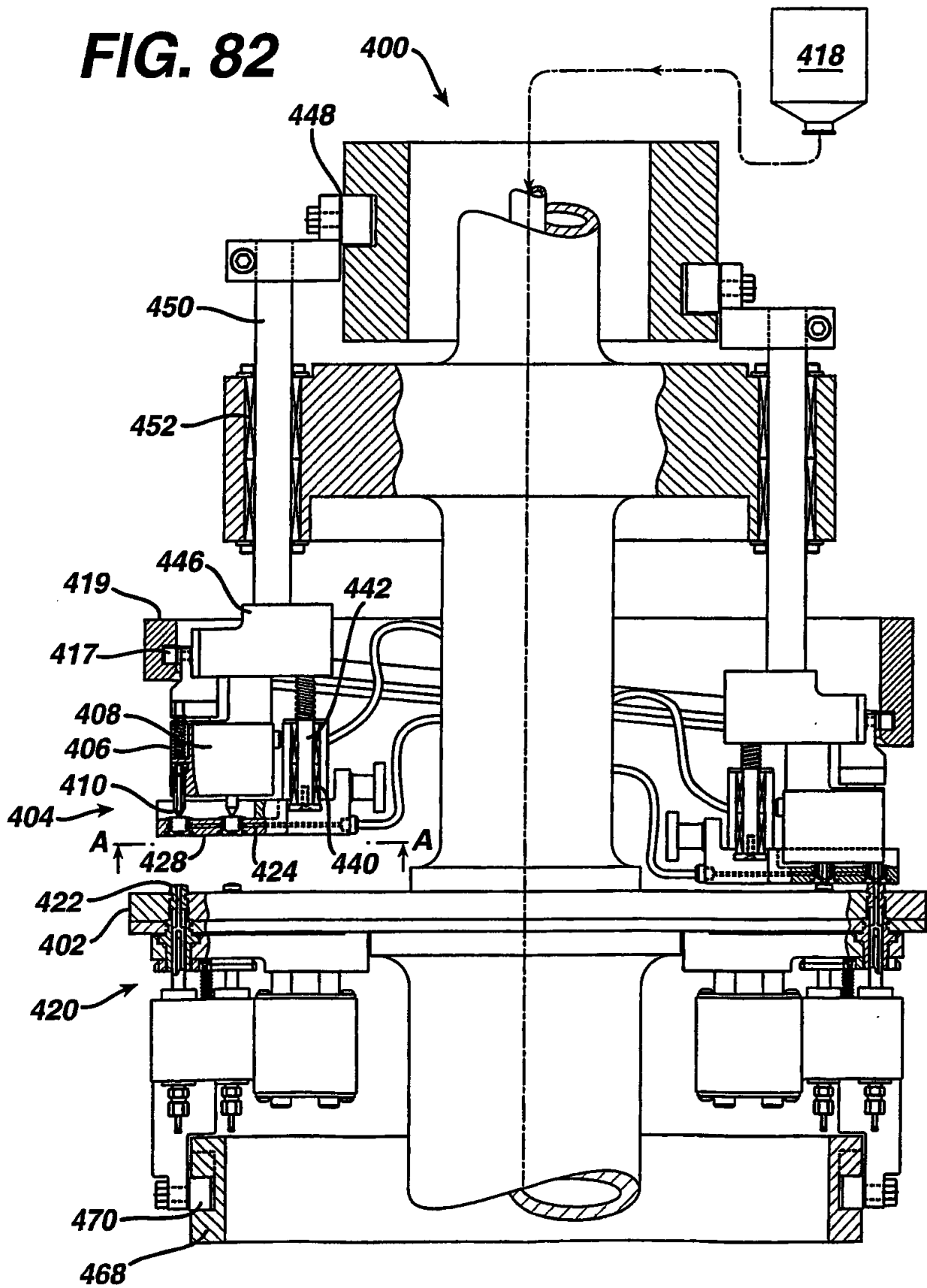


FIG. 81E

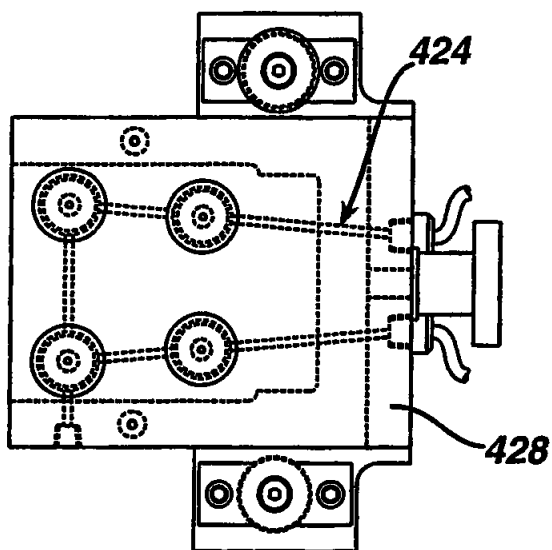


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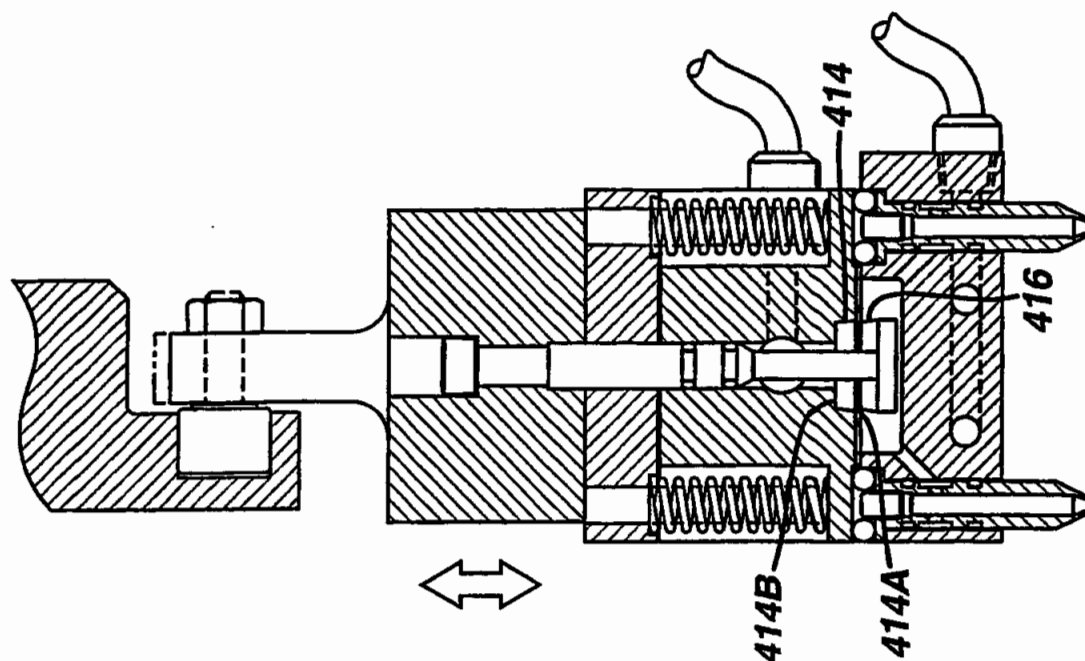
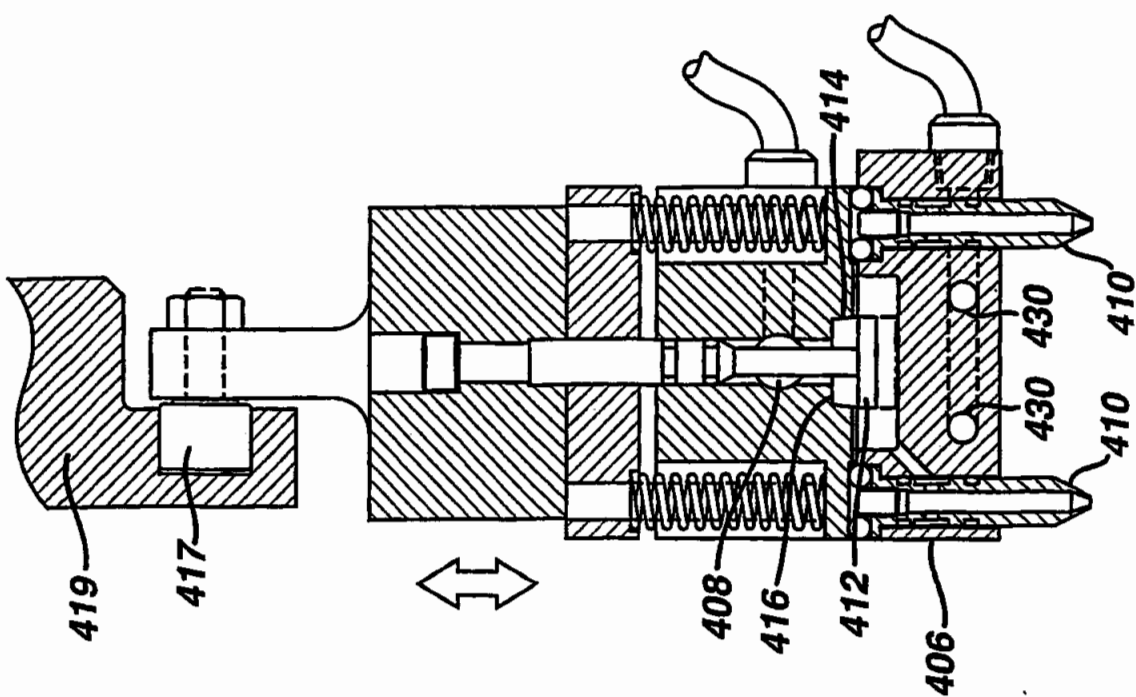
FIG. 82

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FIG. 82A



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FIG. 84**FIG. 83**

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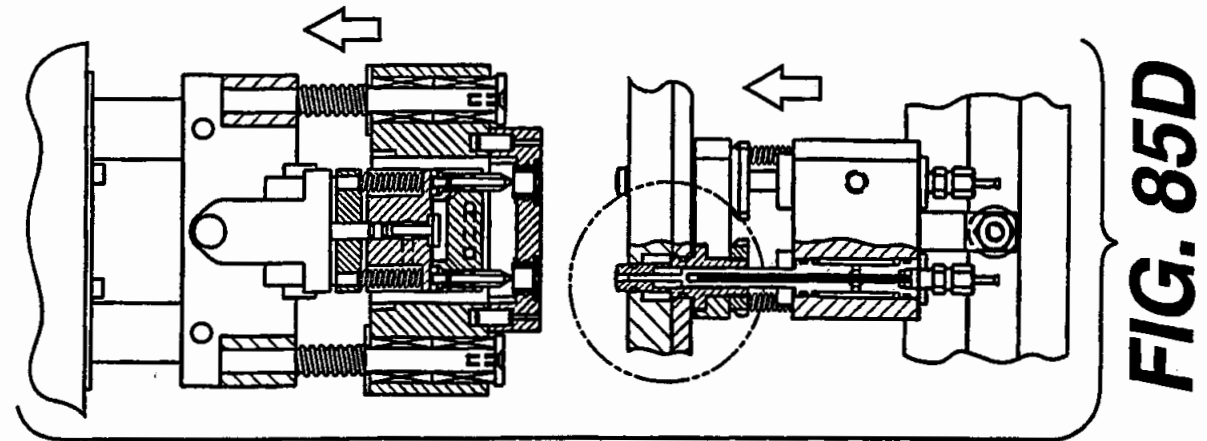


FIG. 85D

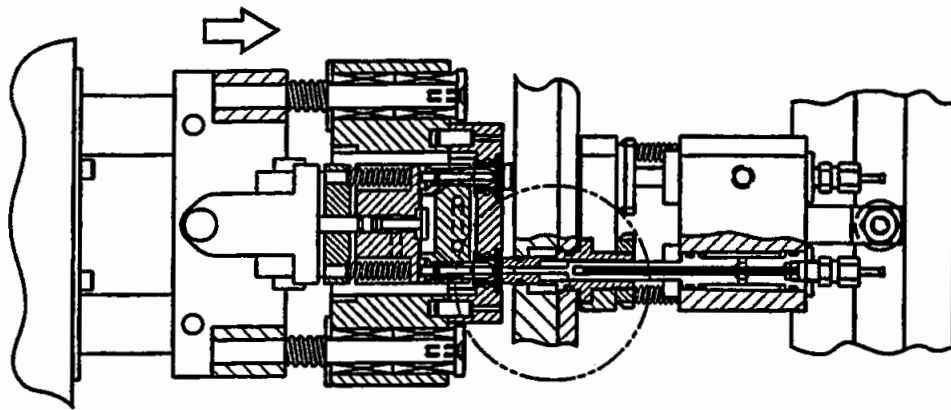


FIG. 85C

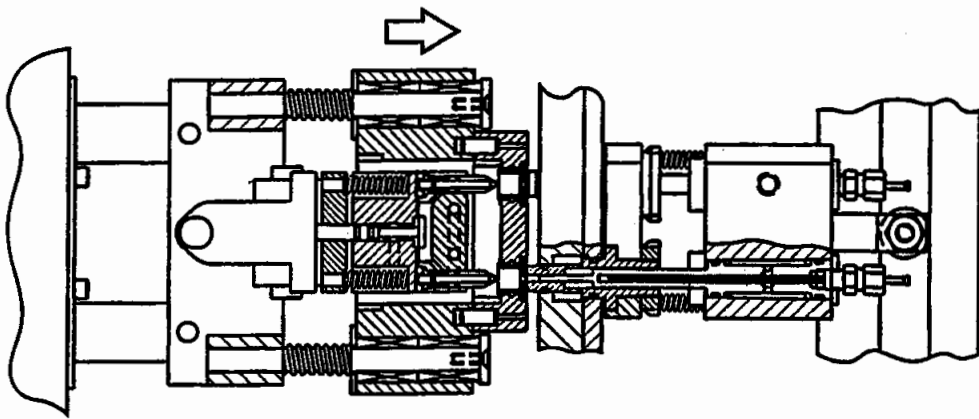


FIG. 85B

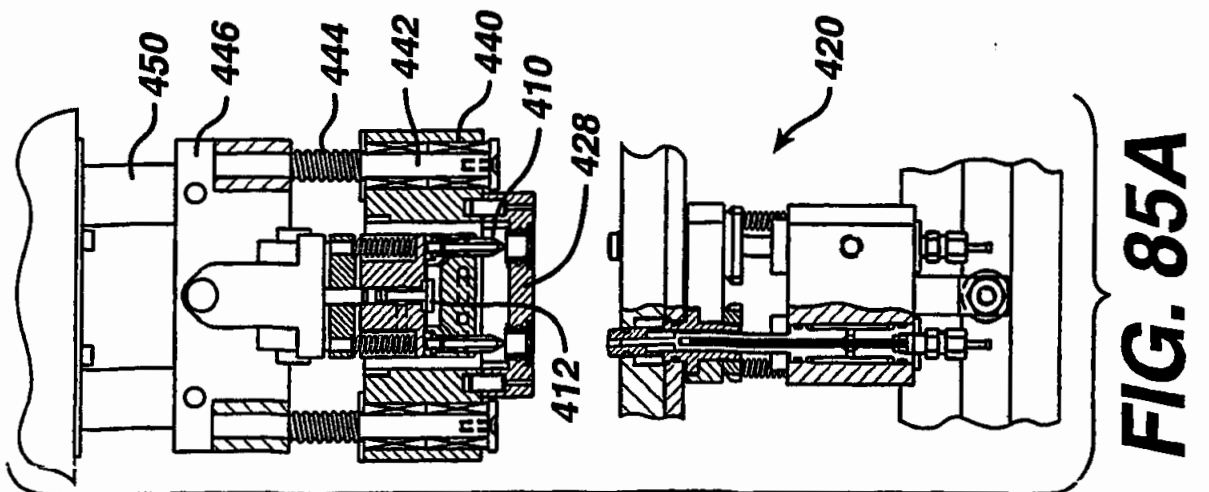
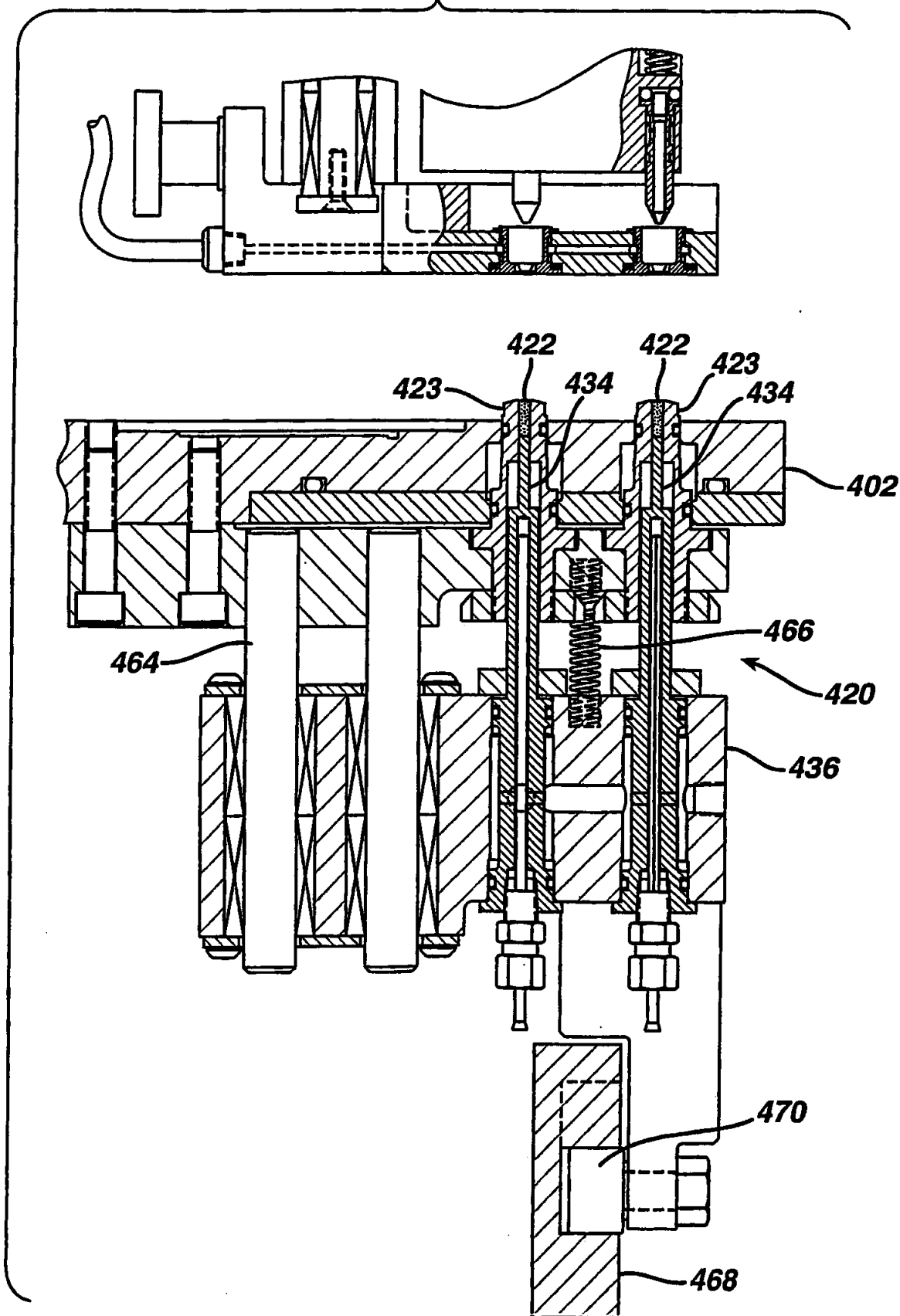


FIG. 85A

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FIG. 88

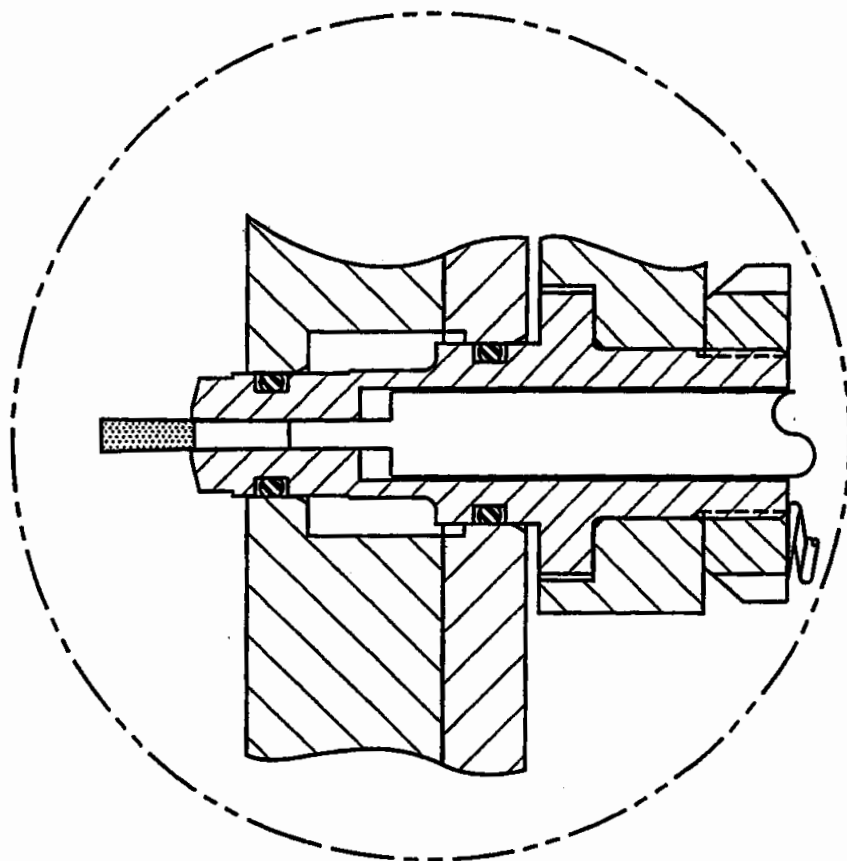
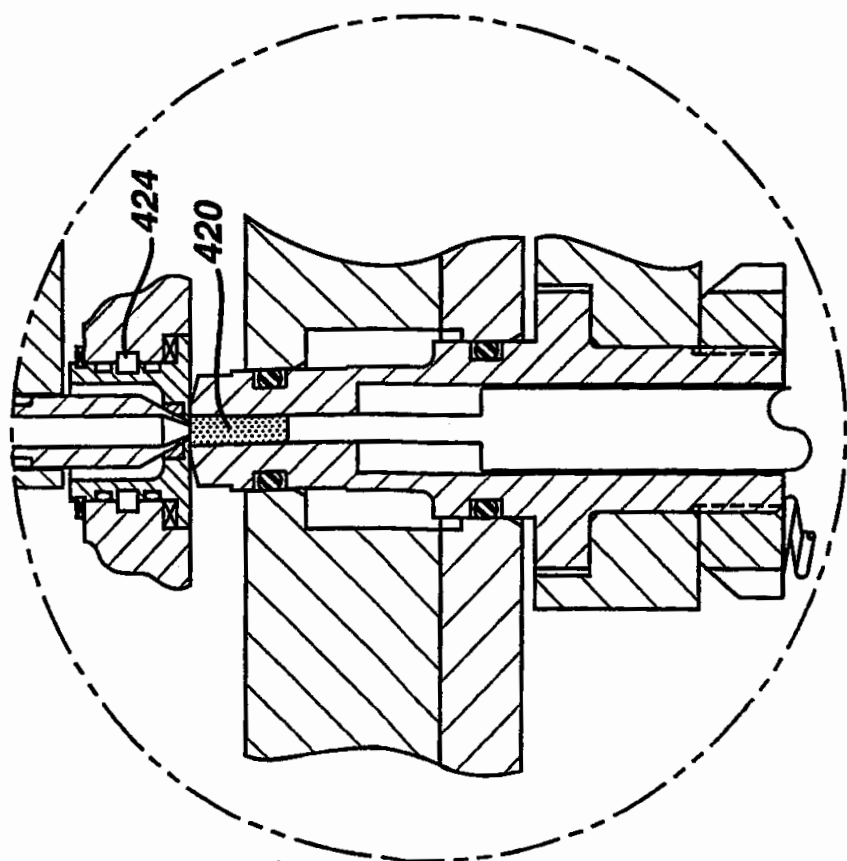


FIG. 87



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FIG. 89