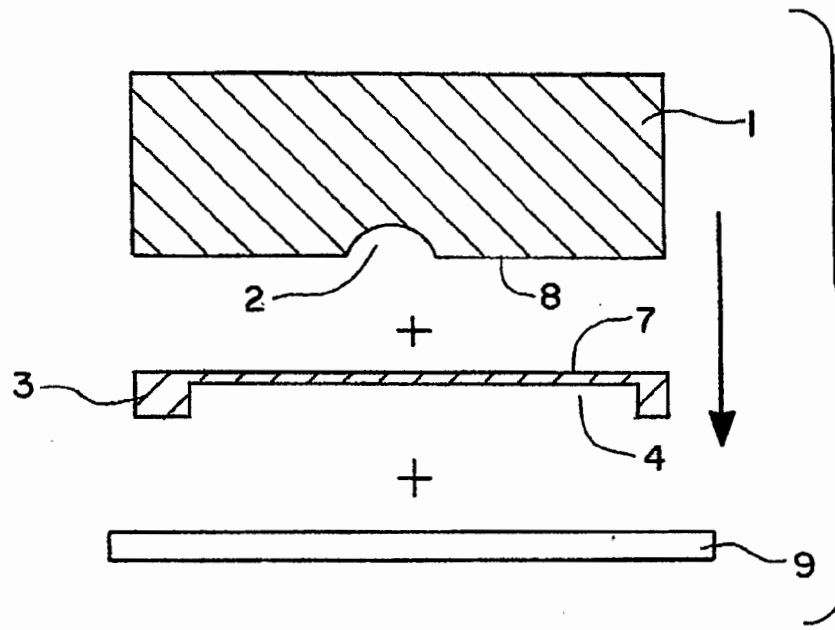


Fig. 1A
(Prior Art)

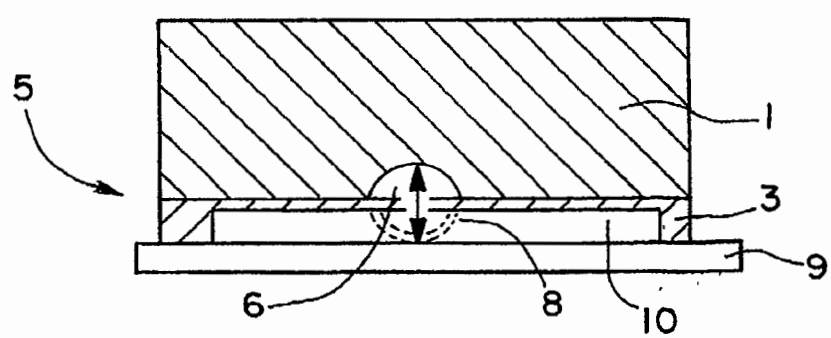


Fig. 1B
(Prior Art)

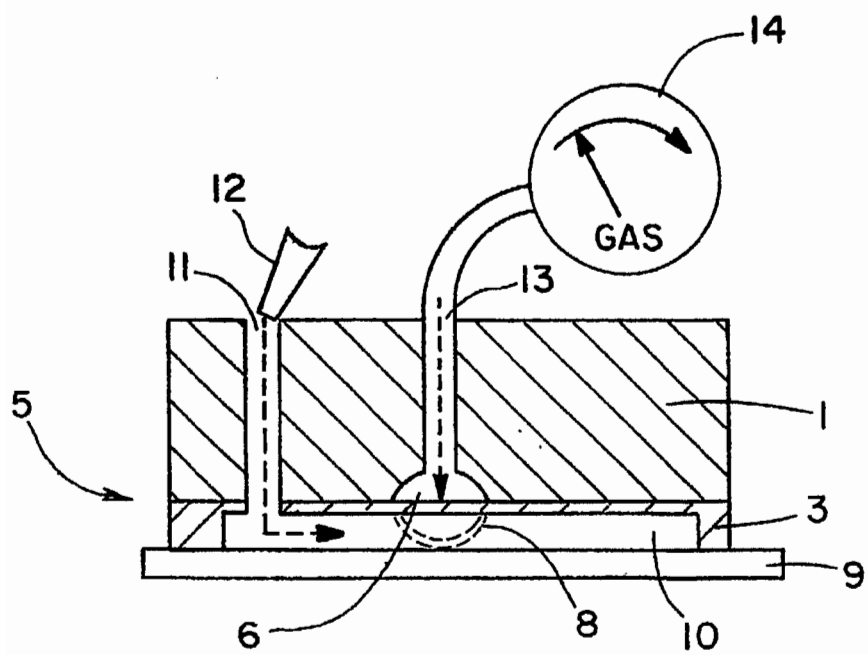


Fig. 1C
(Prior Art)

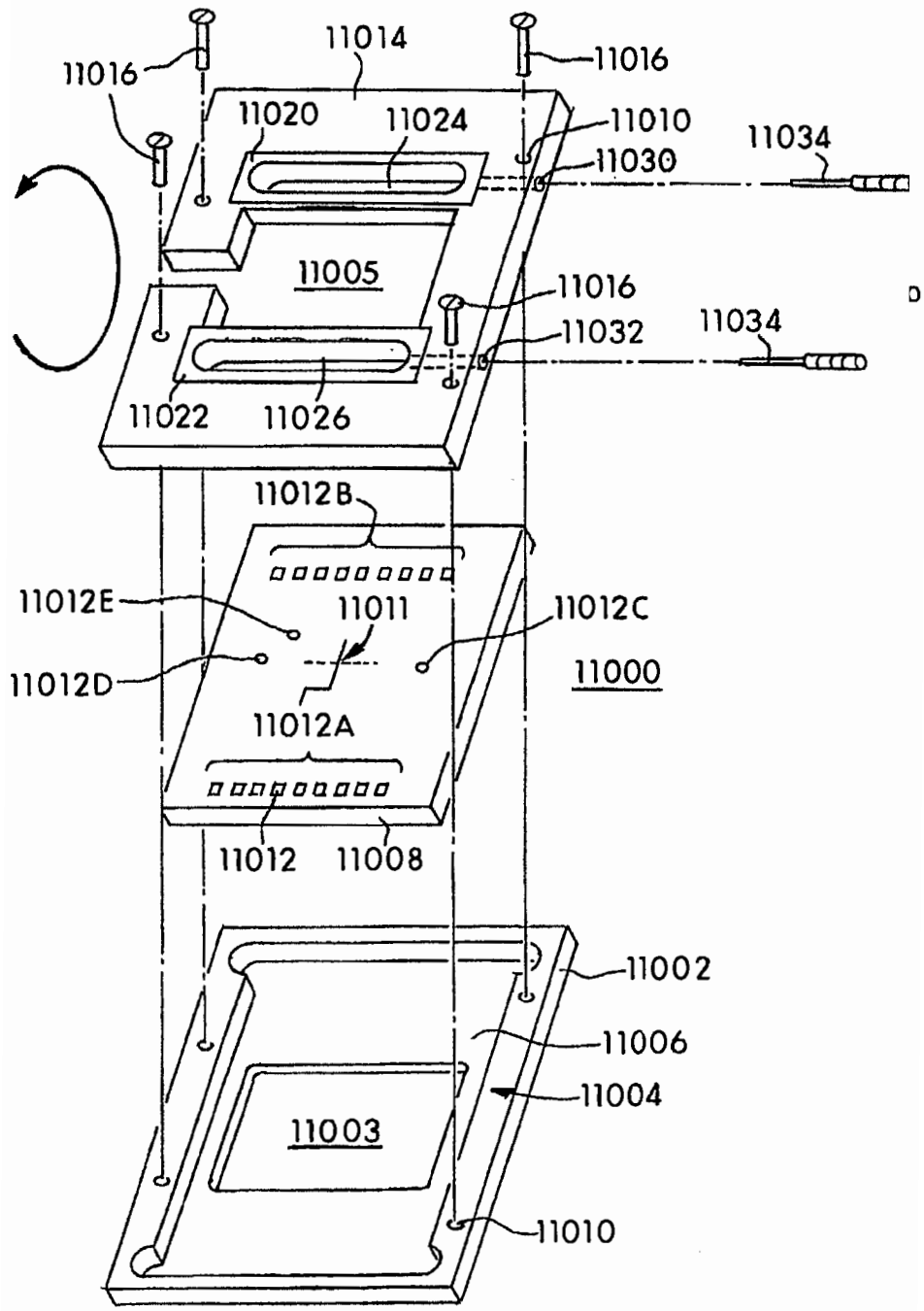


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(Prior Art)

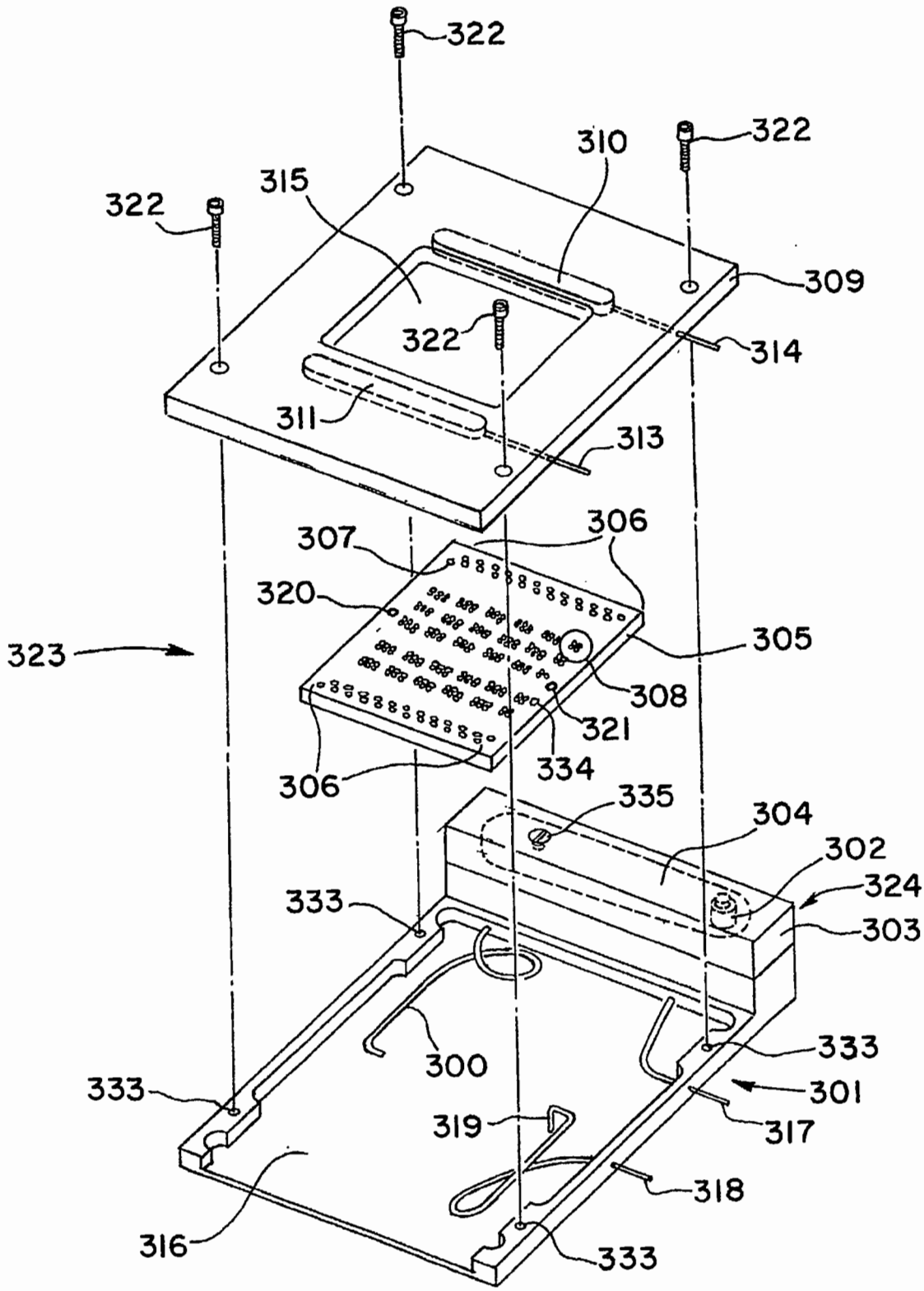

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Fig. 3

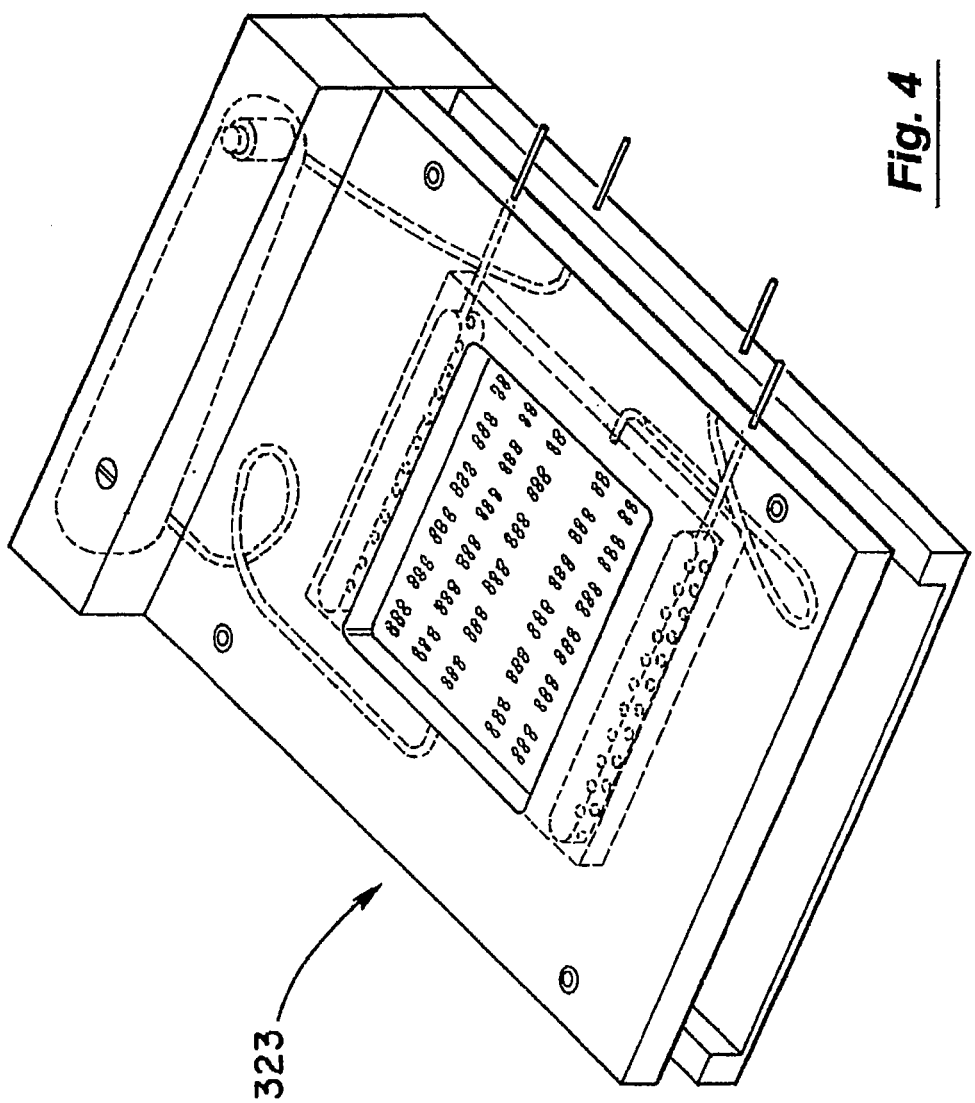


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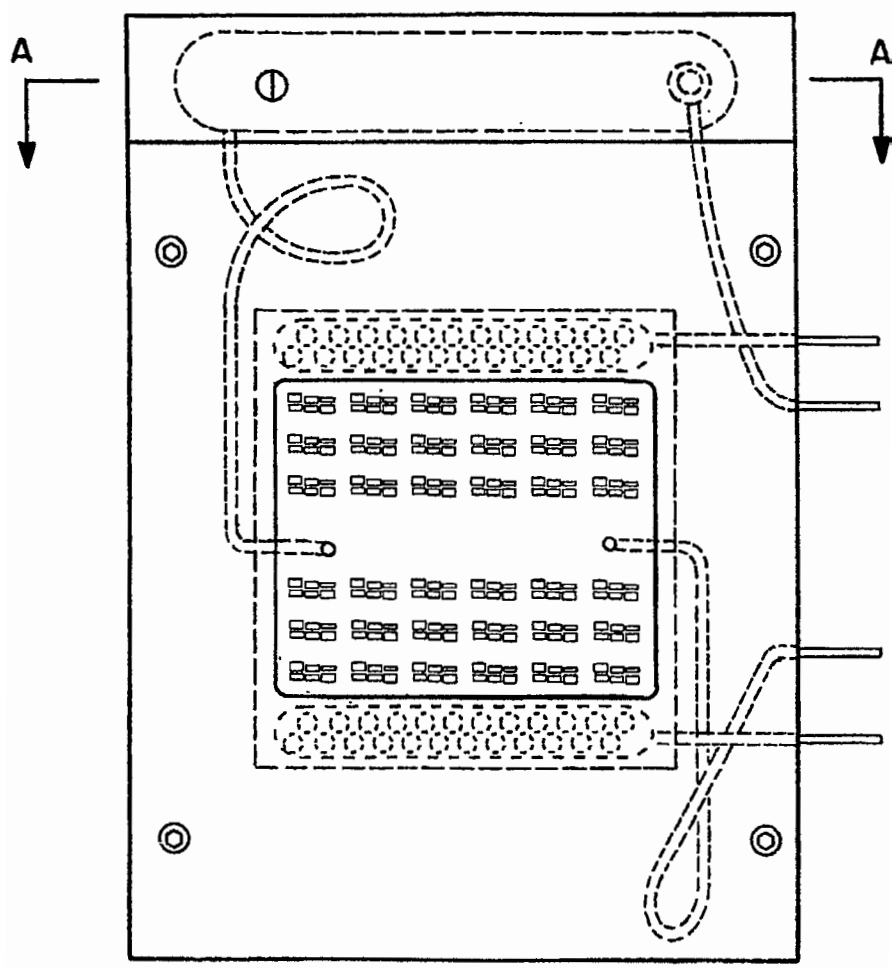


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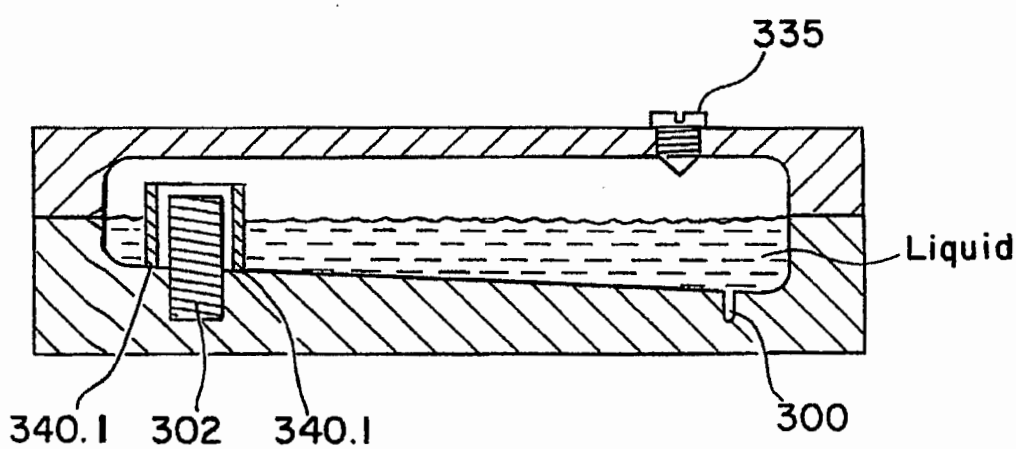


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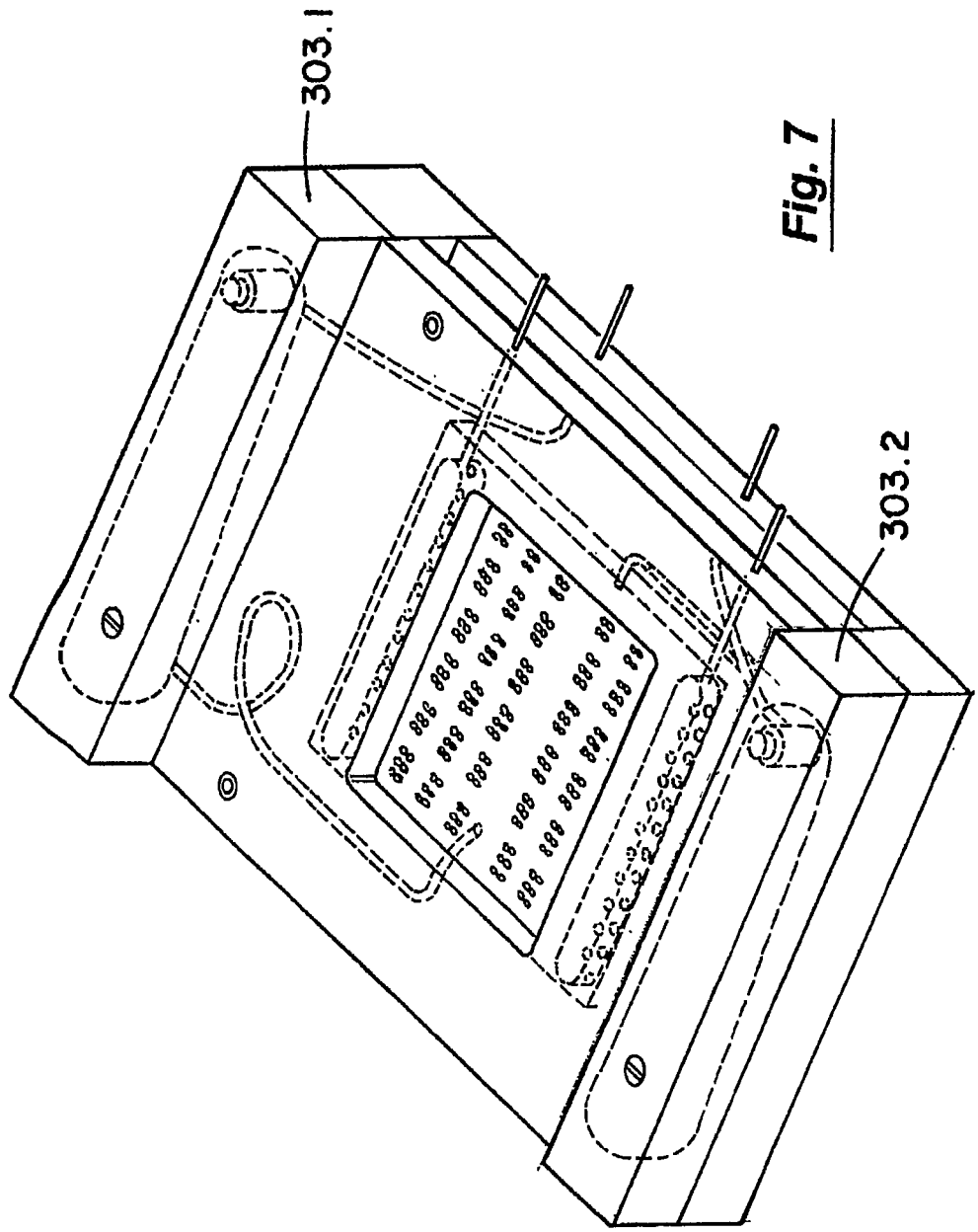
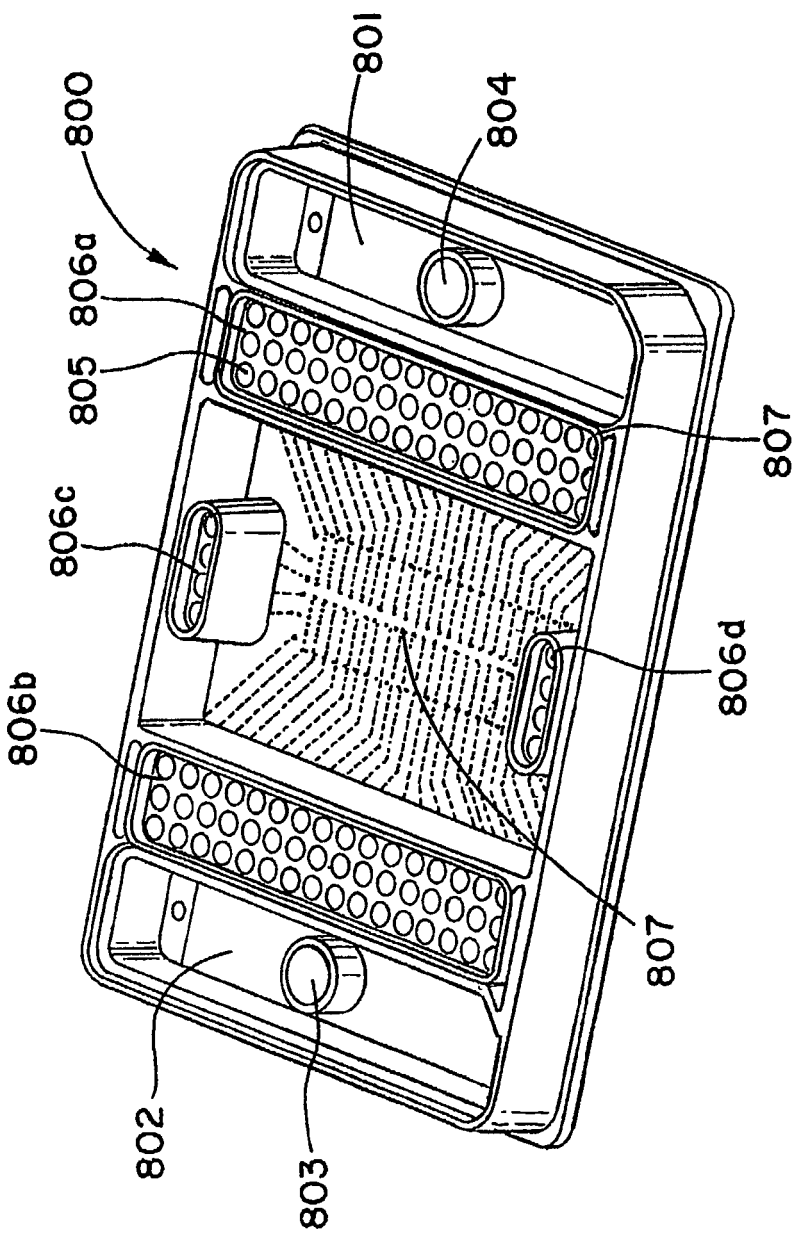


Fig. 7

Fig. 8A



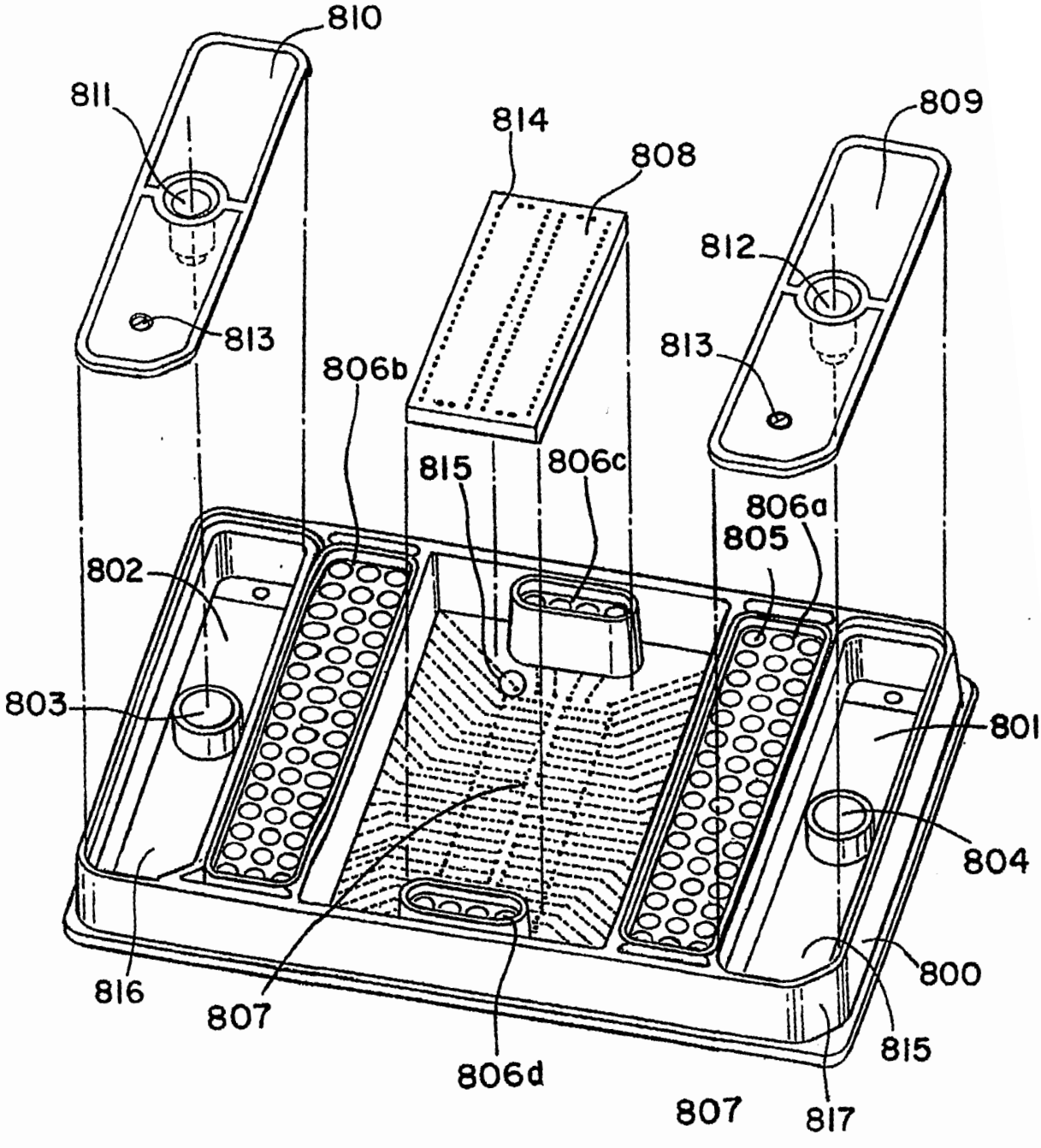

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Fig. 8B

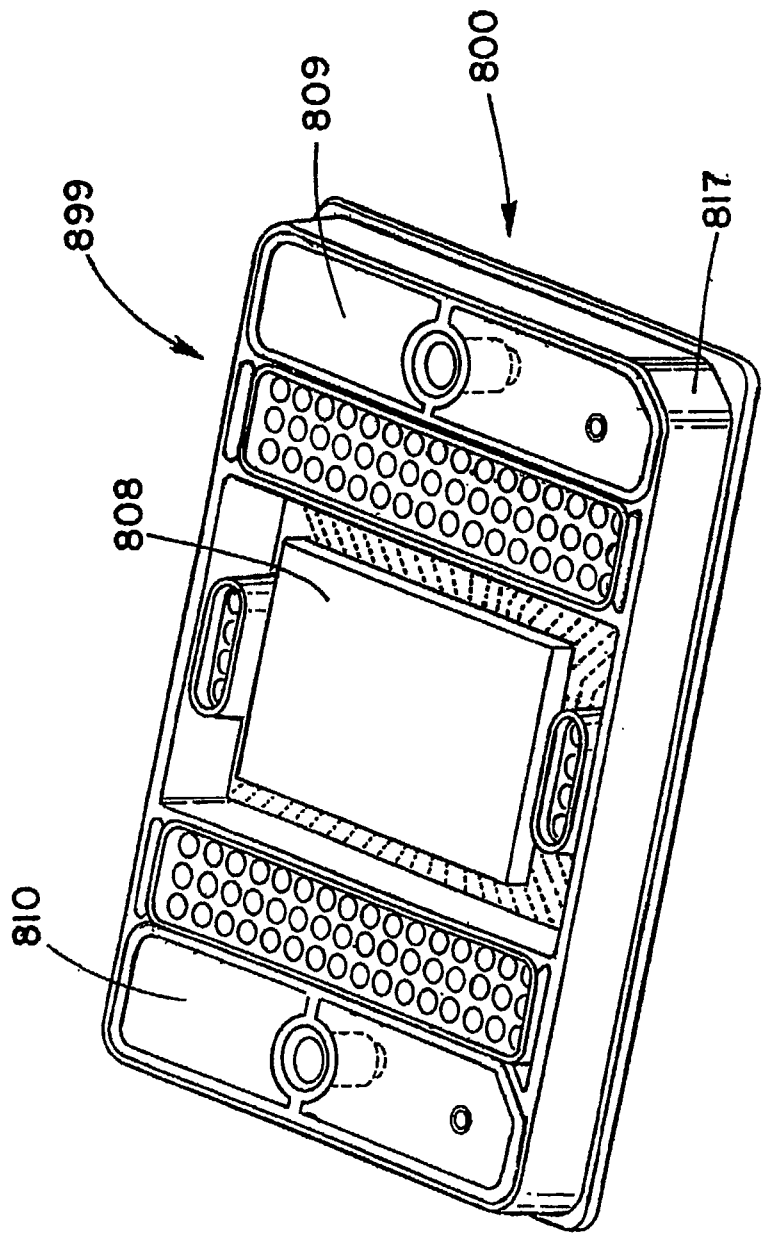


Fig. 8C

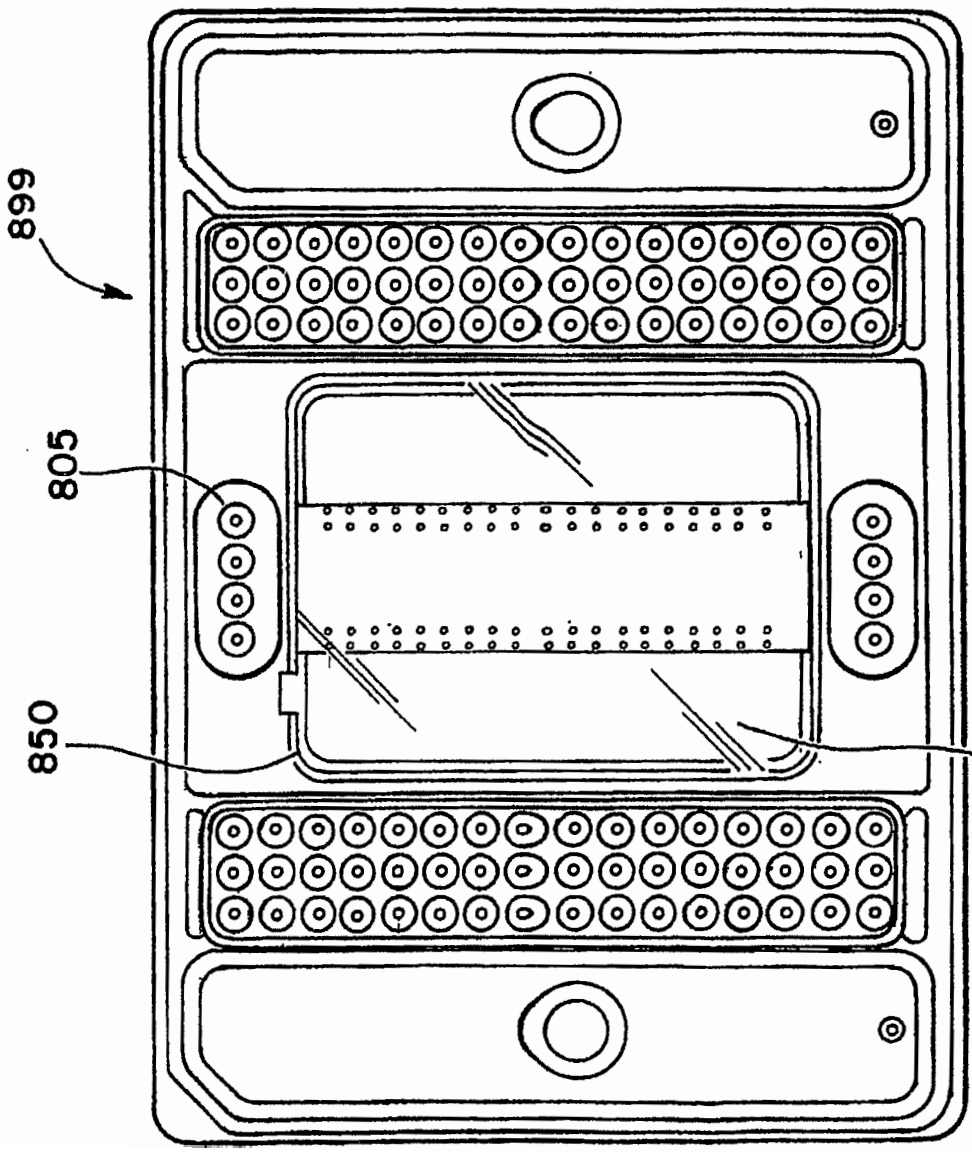


Fig. 8D

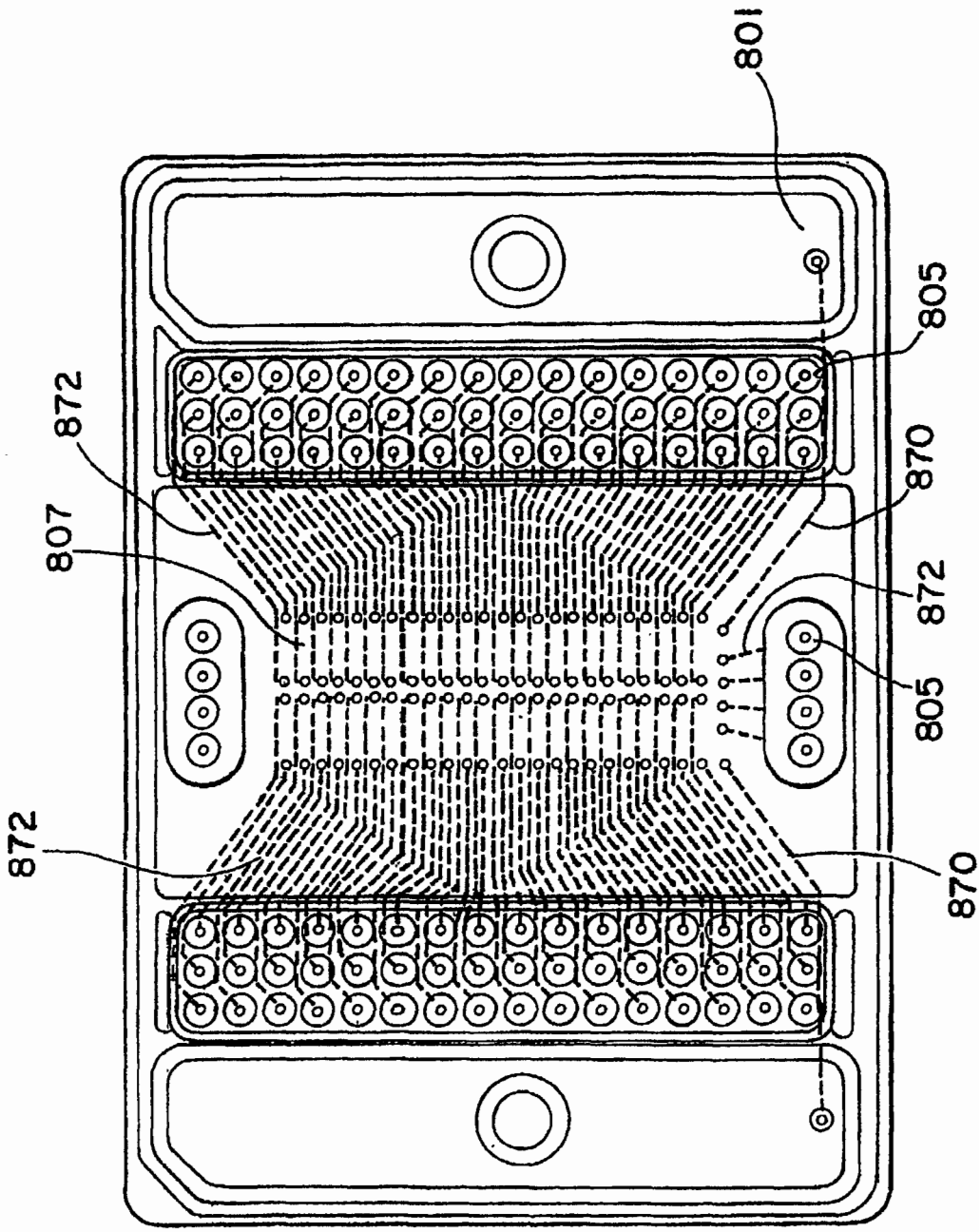


Fig. 8E

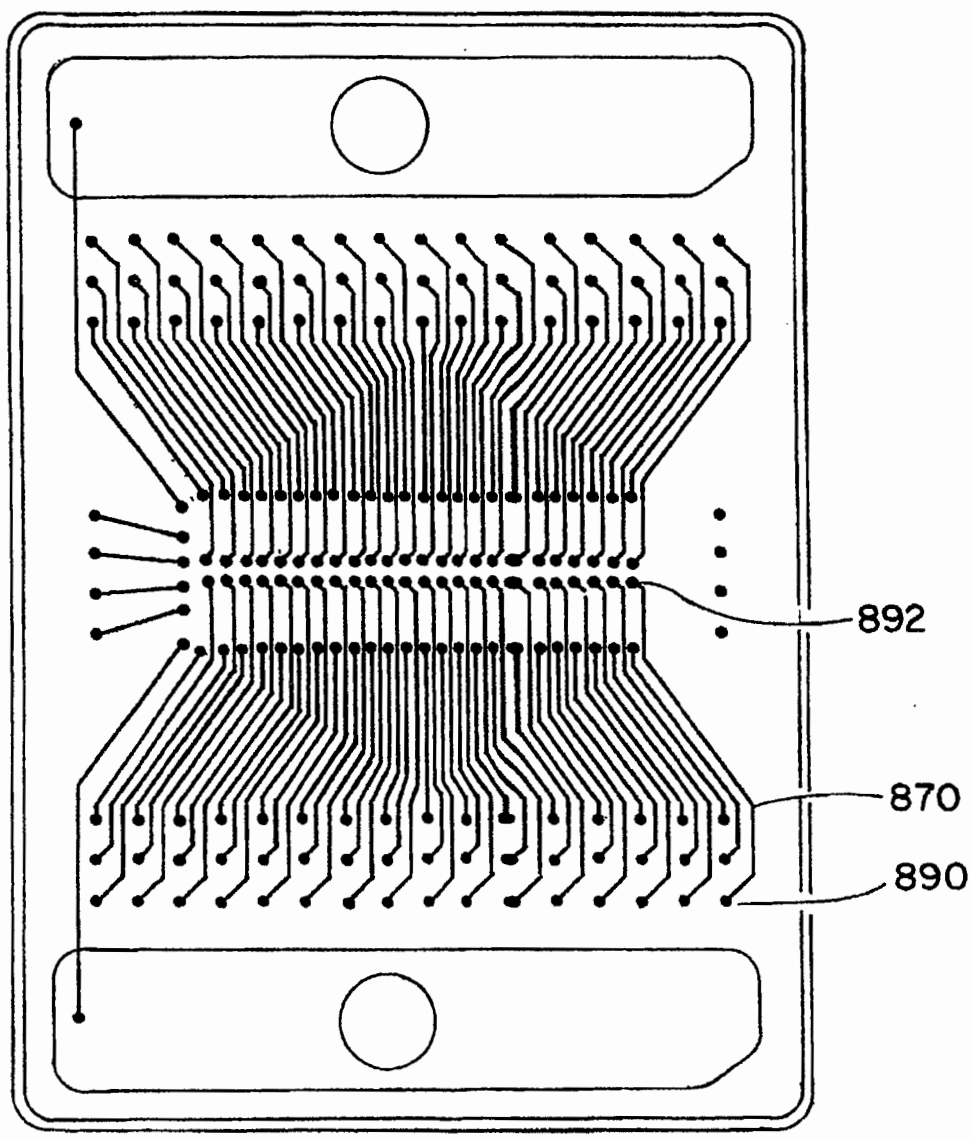


Fig. 8F

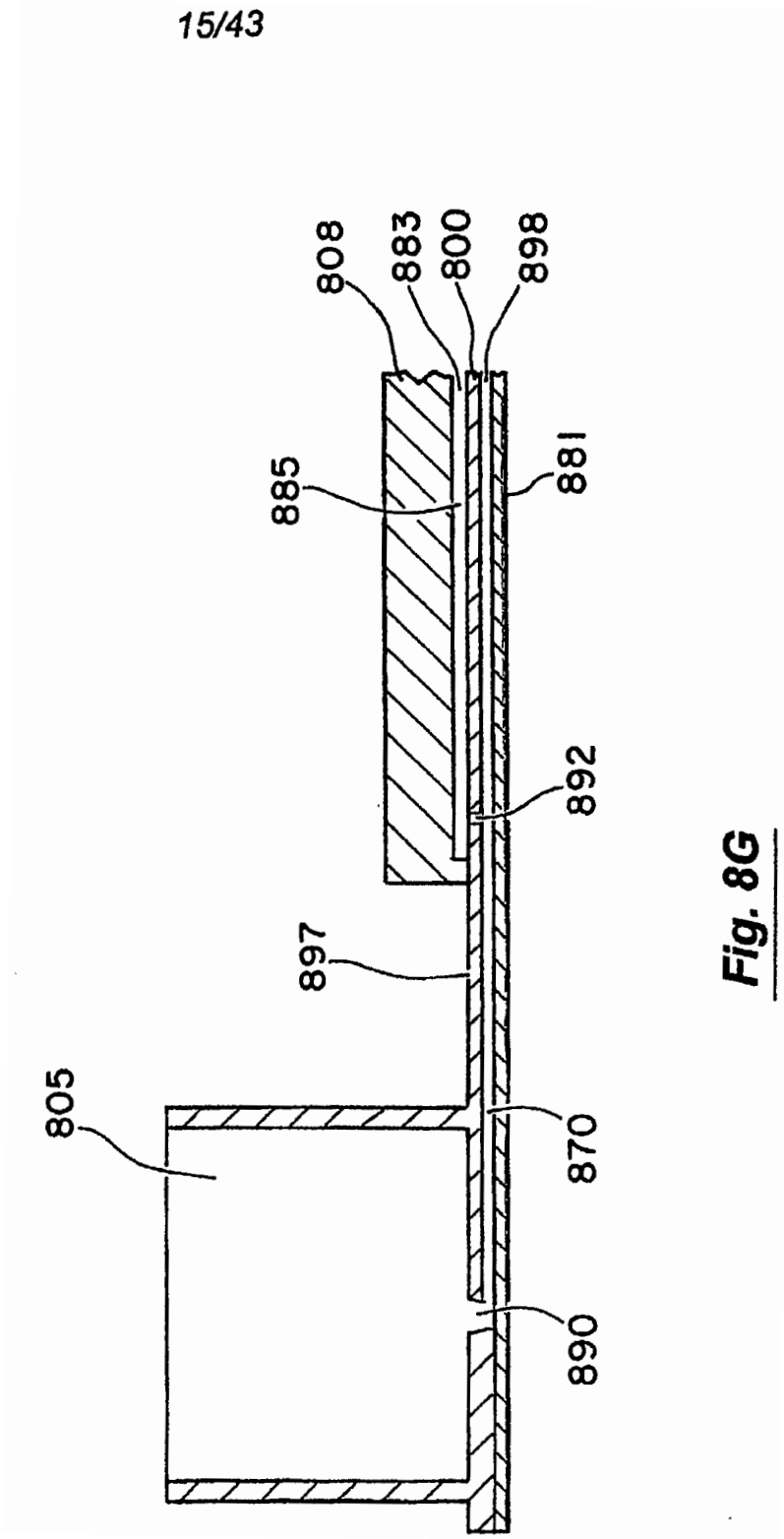


Fig. 8G

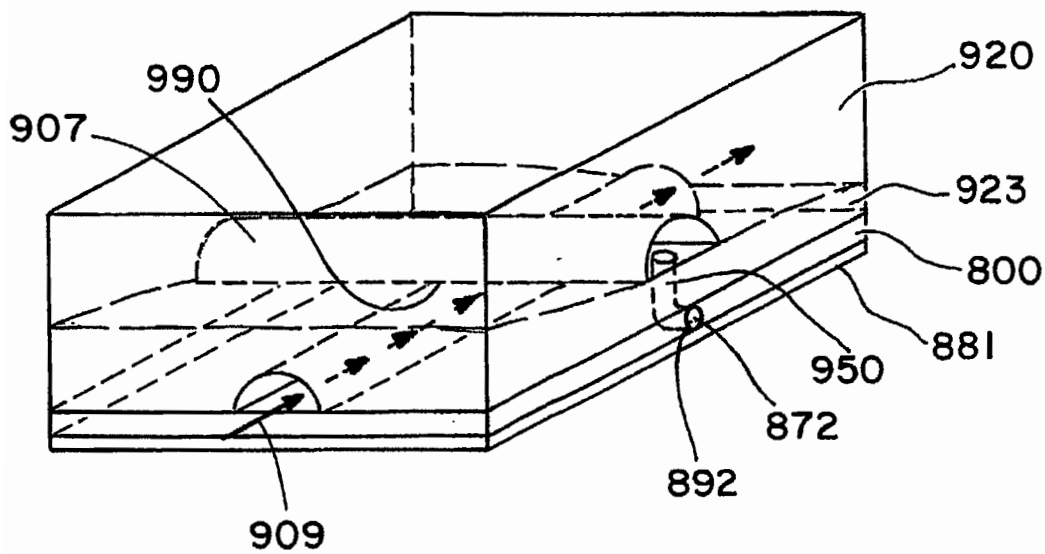

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Fig. 9A

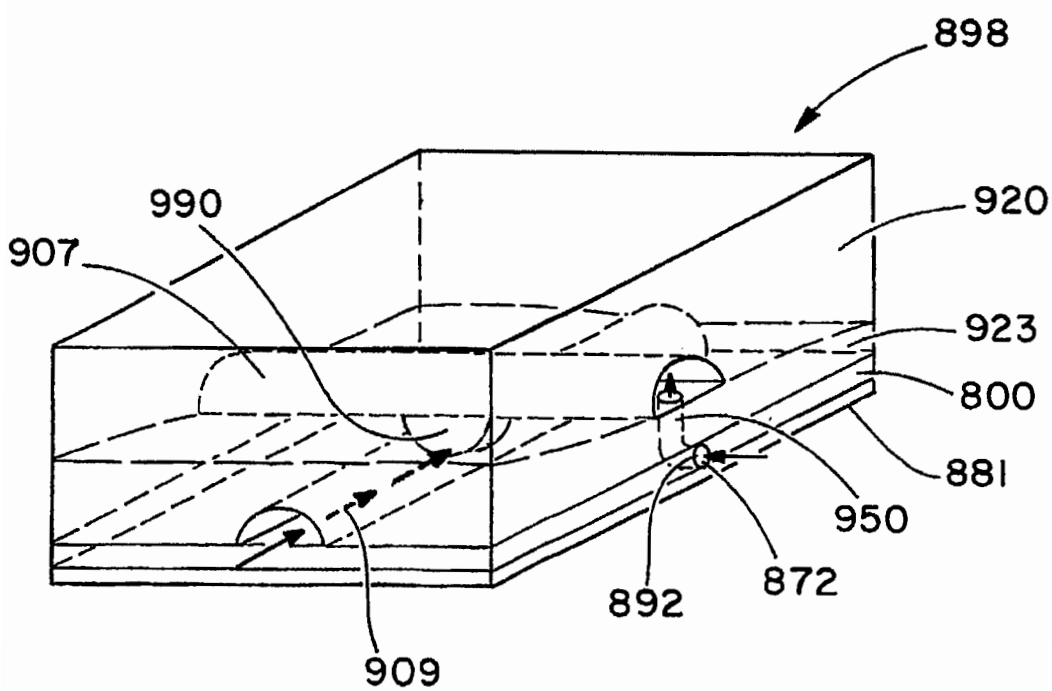

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Fig. 9B

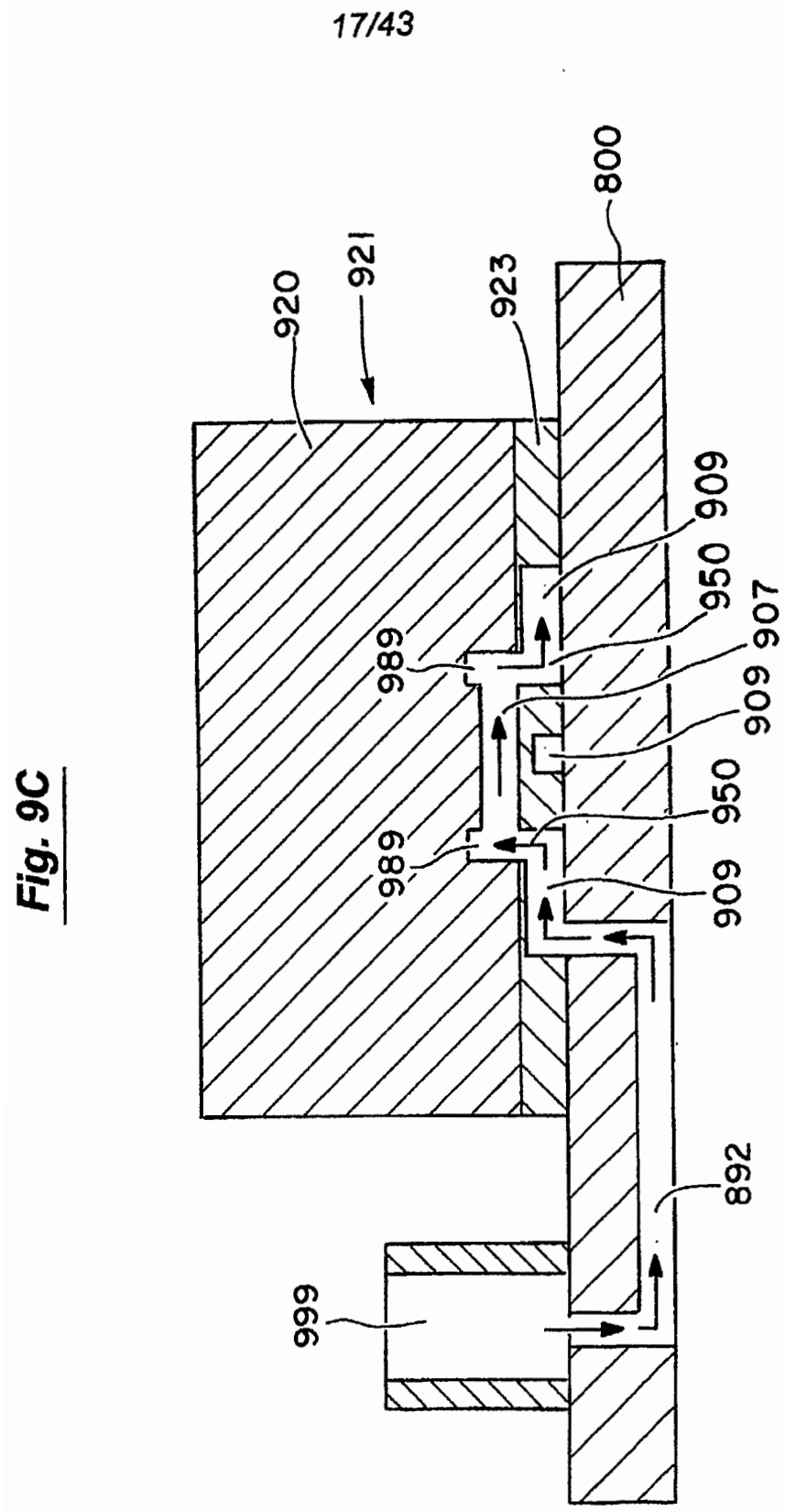


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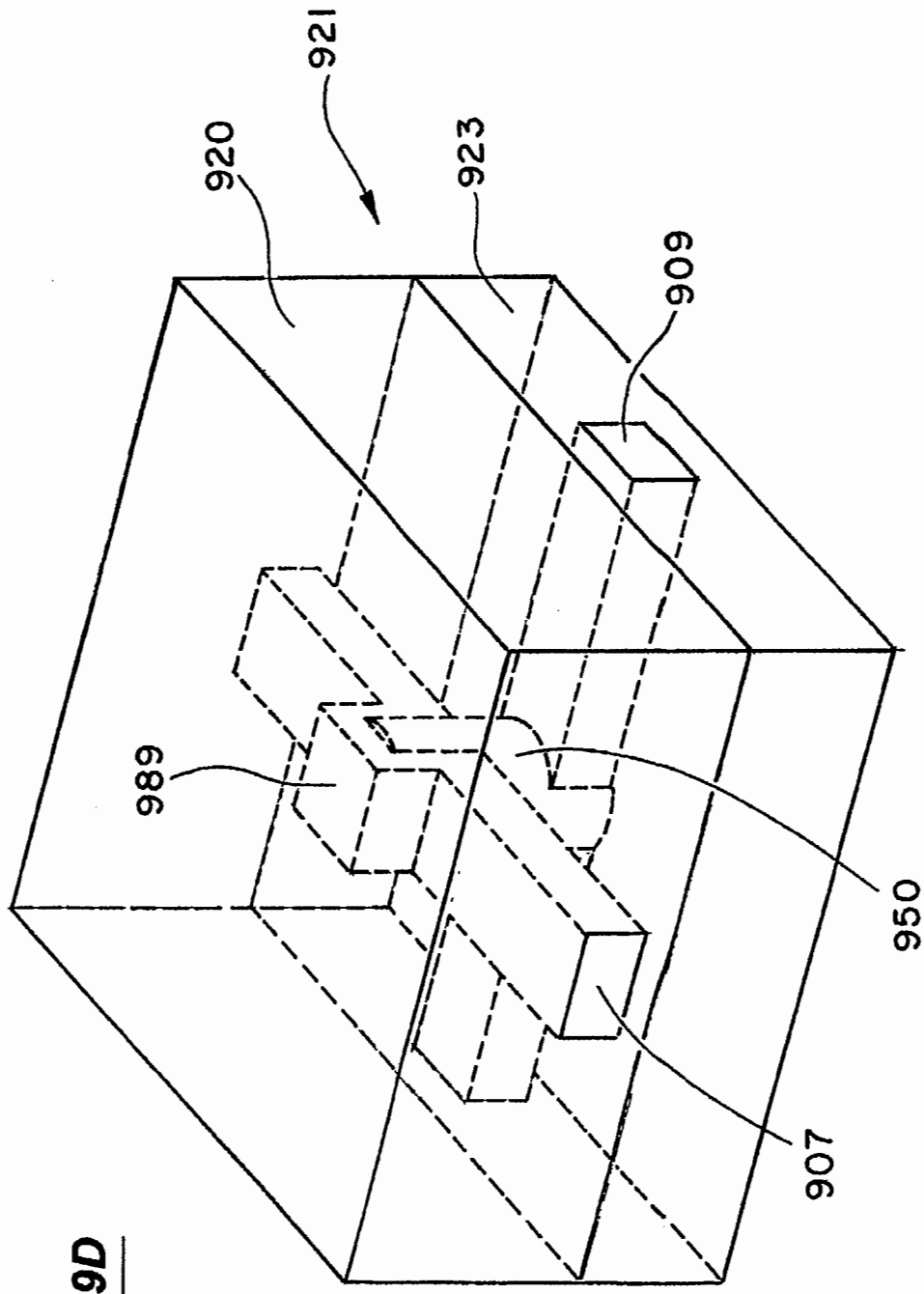


Fig. 9D

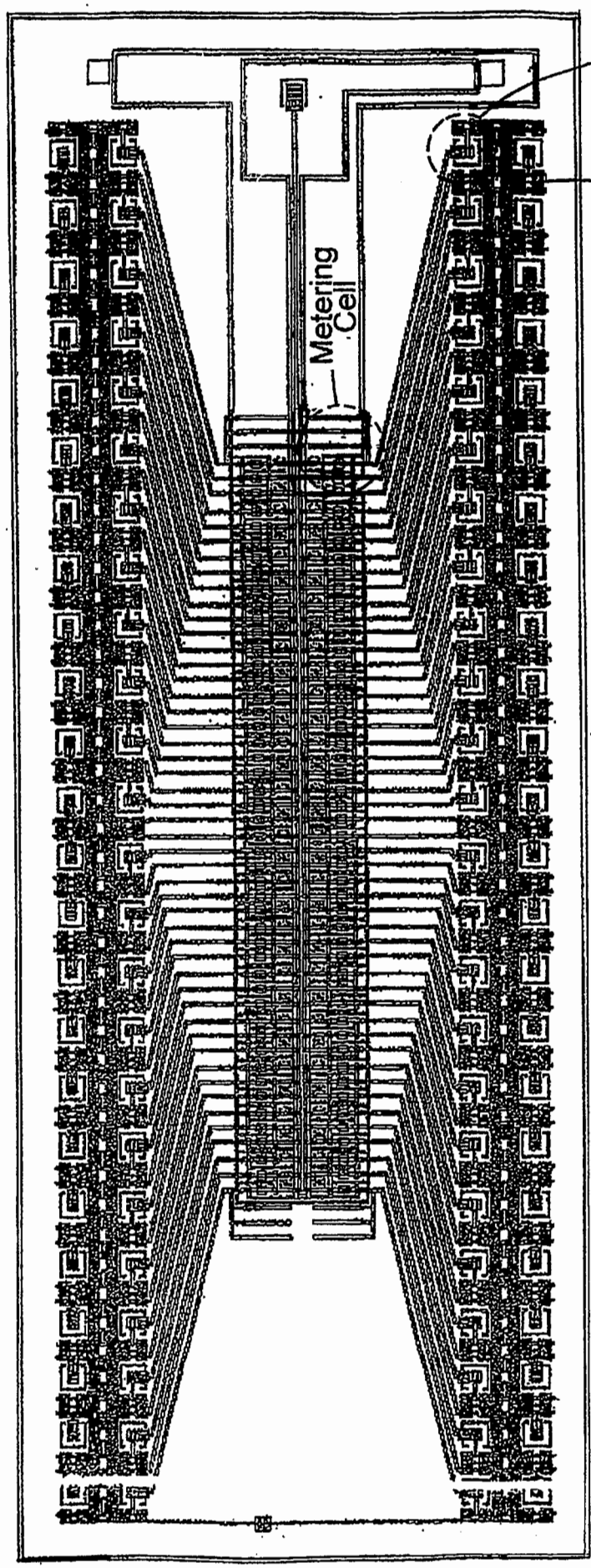


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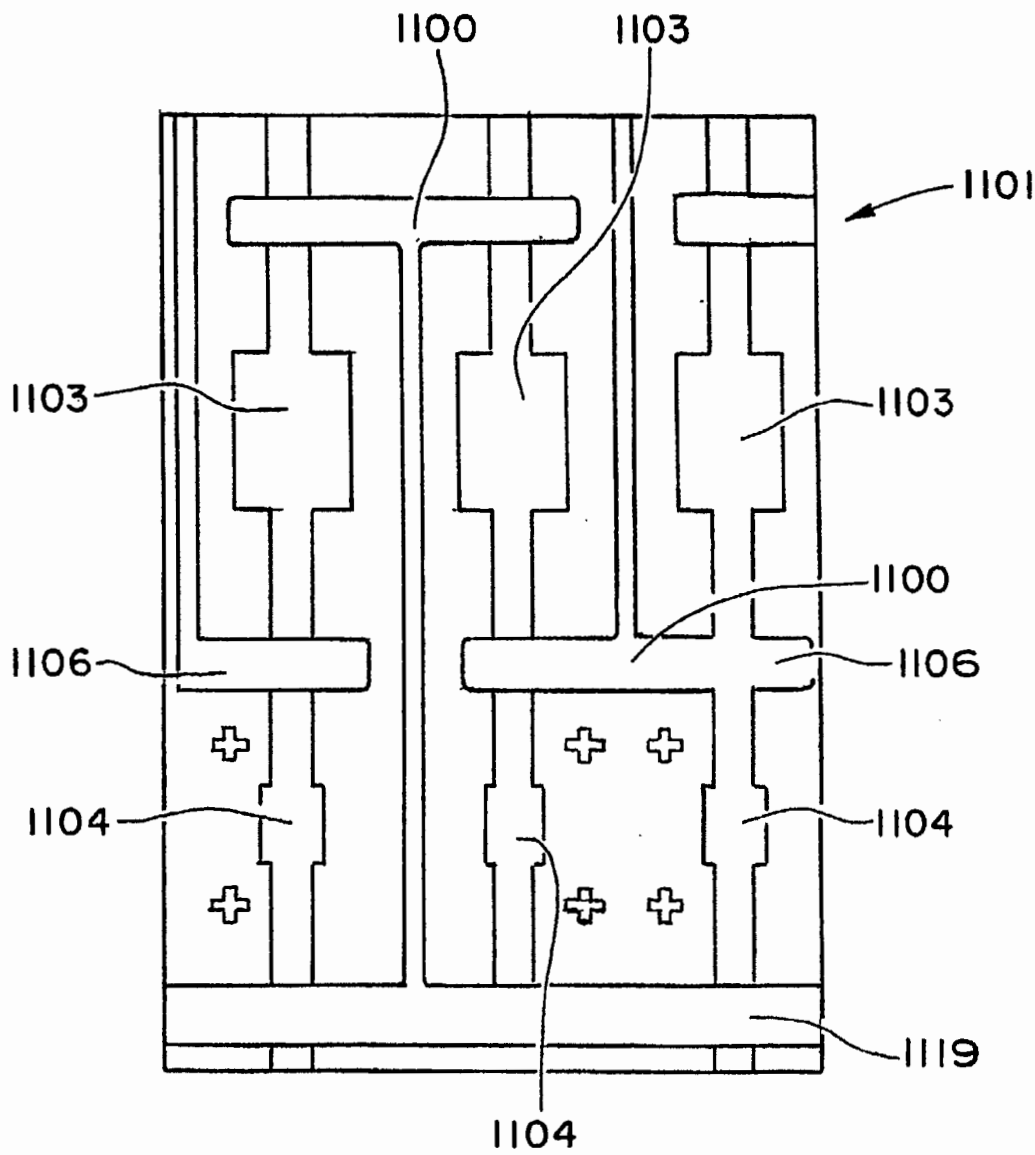


Fig. 11A

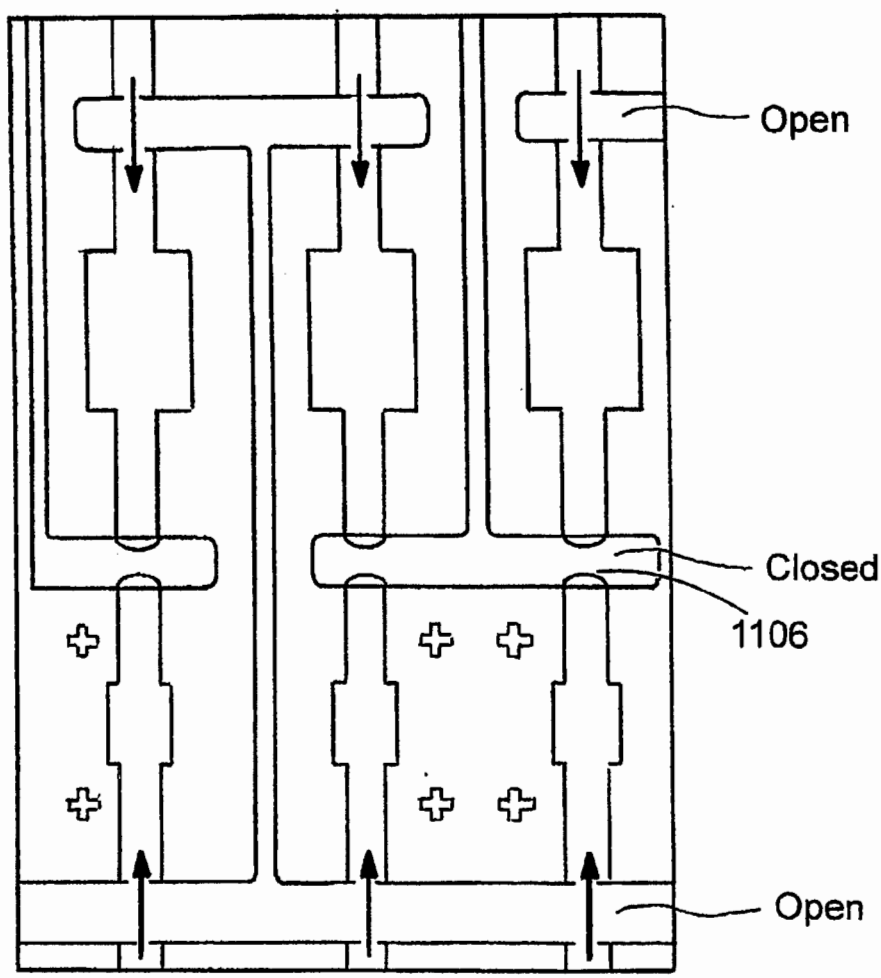


Fig. 11B

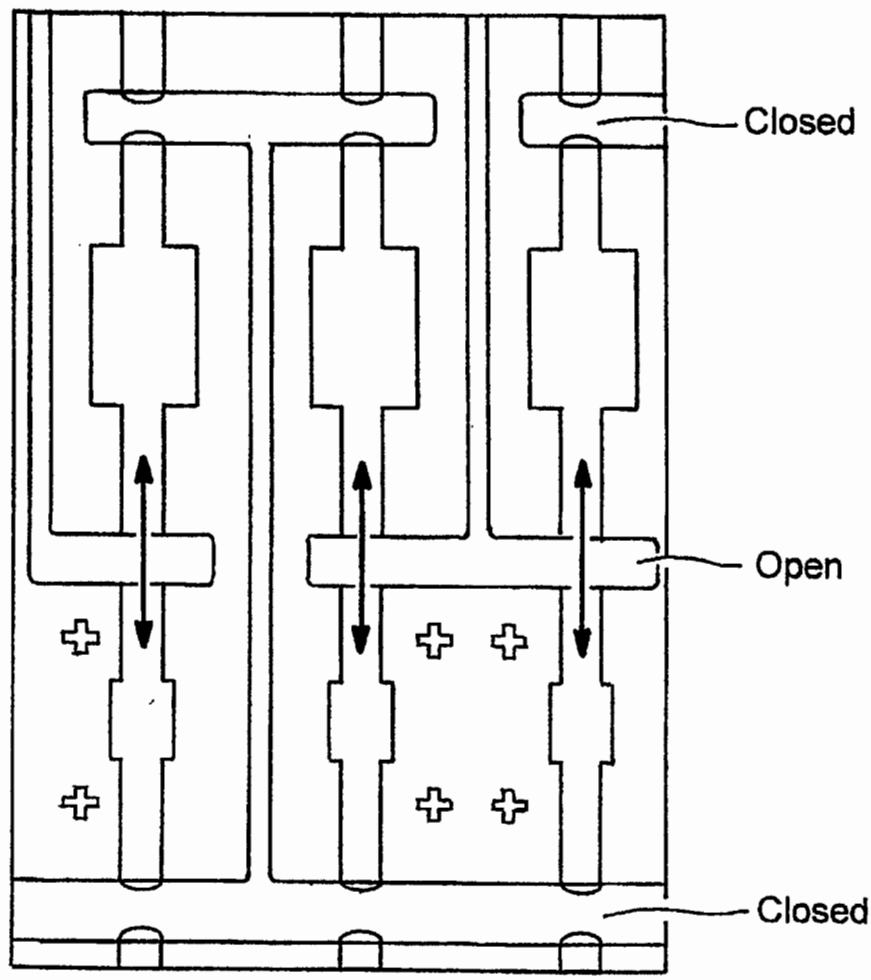


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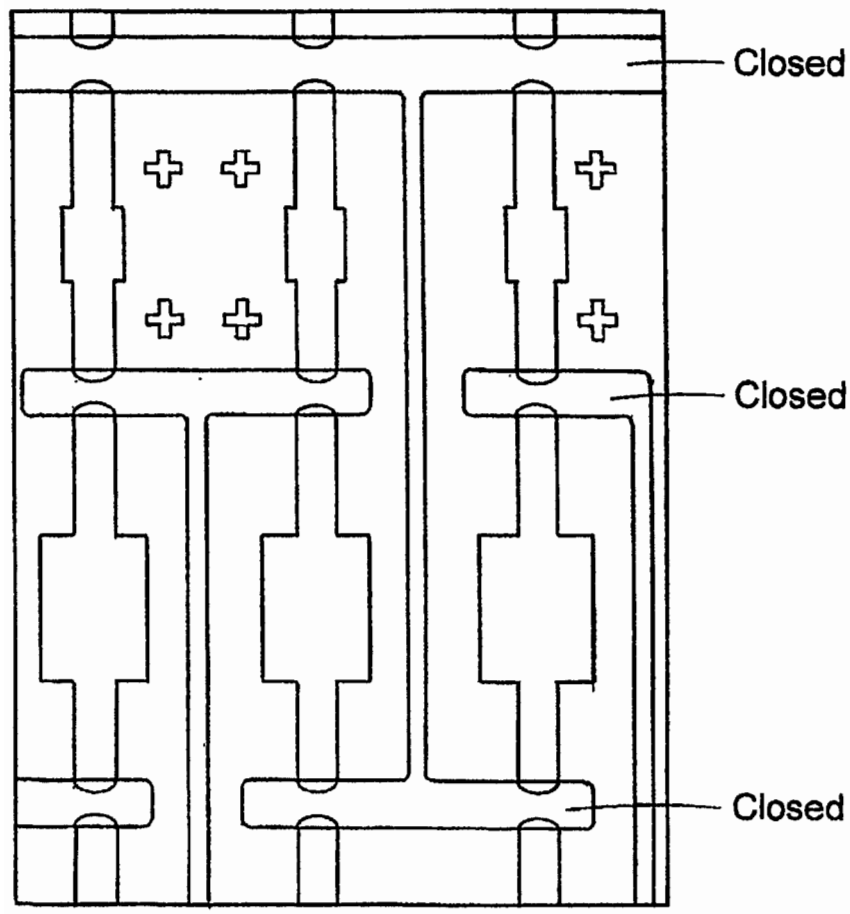


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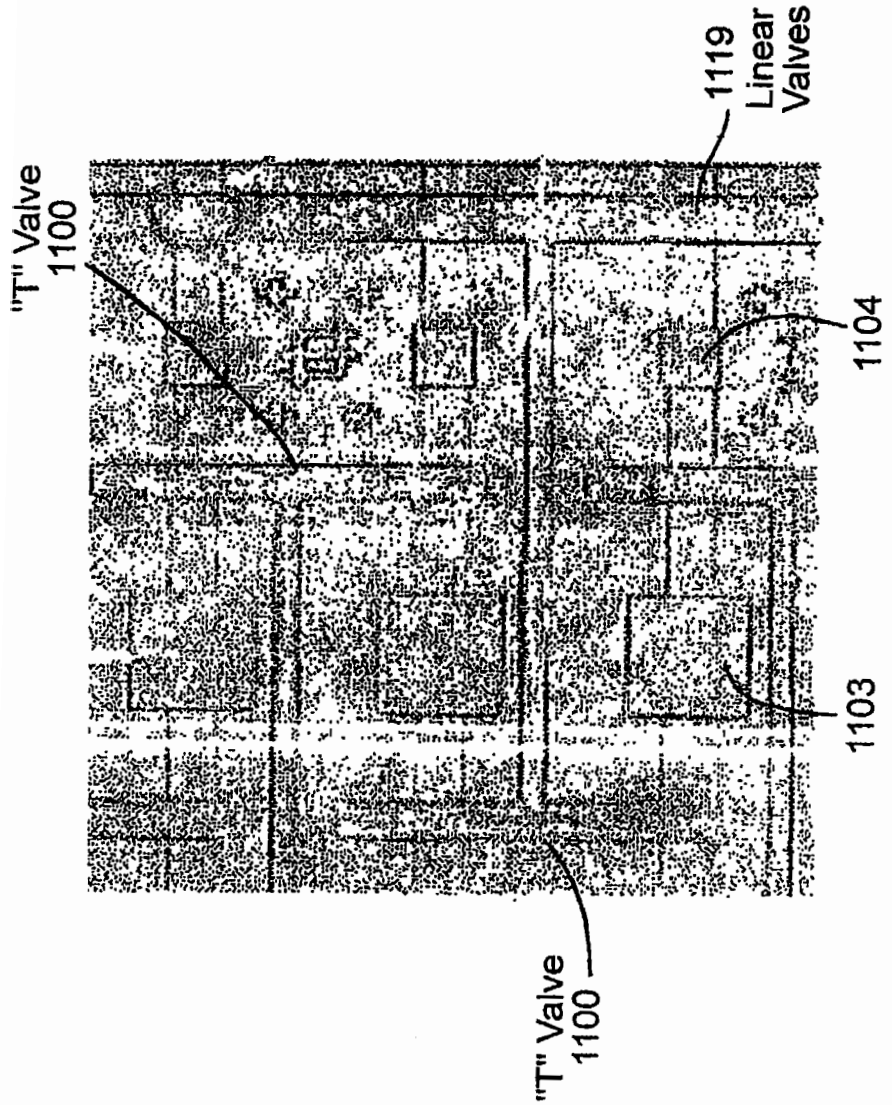


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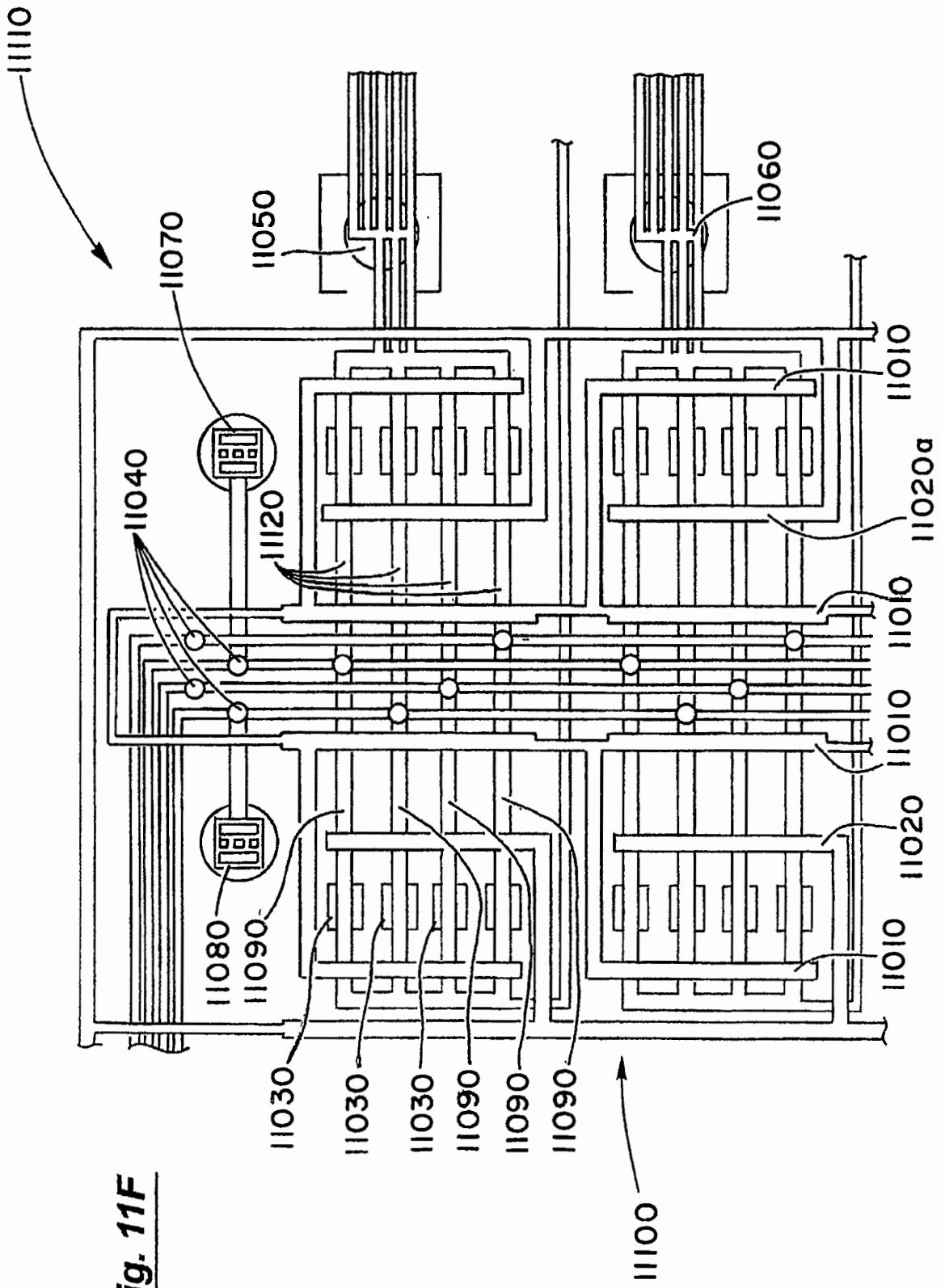

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Fig. 11F

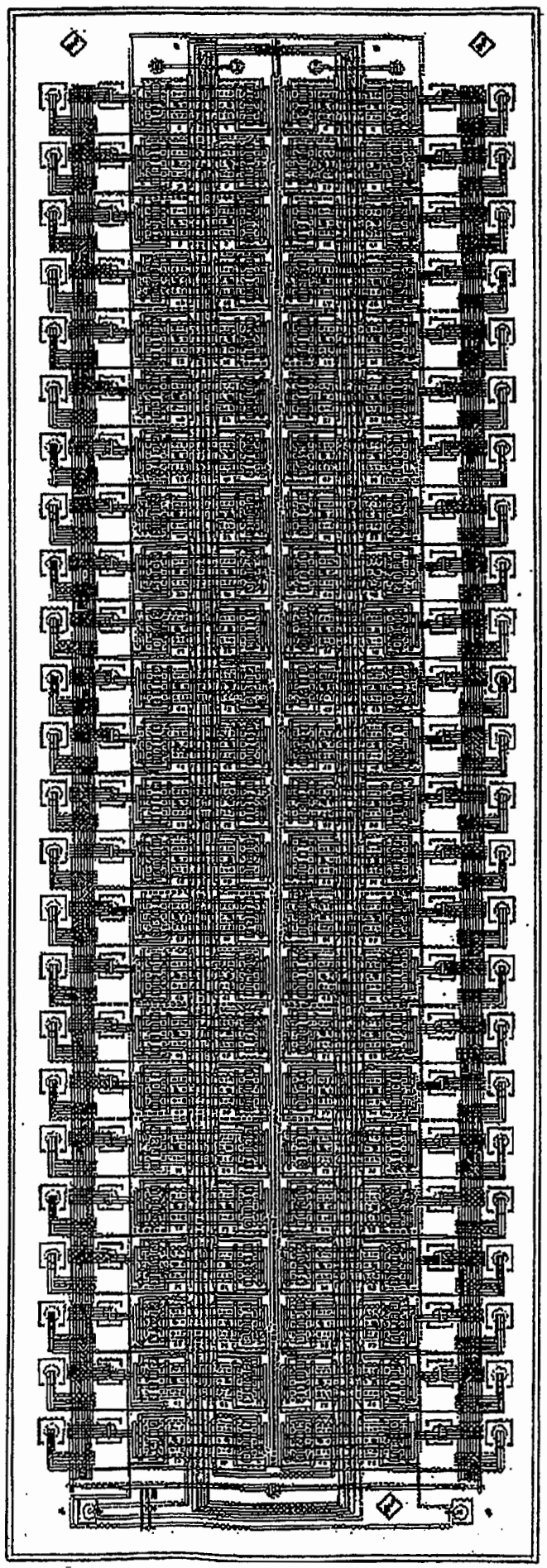


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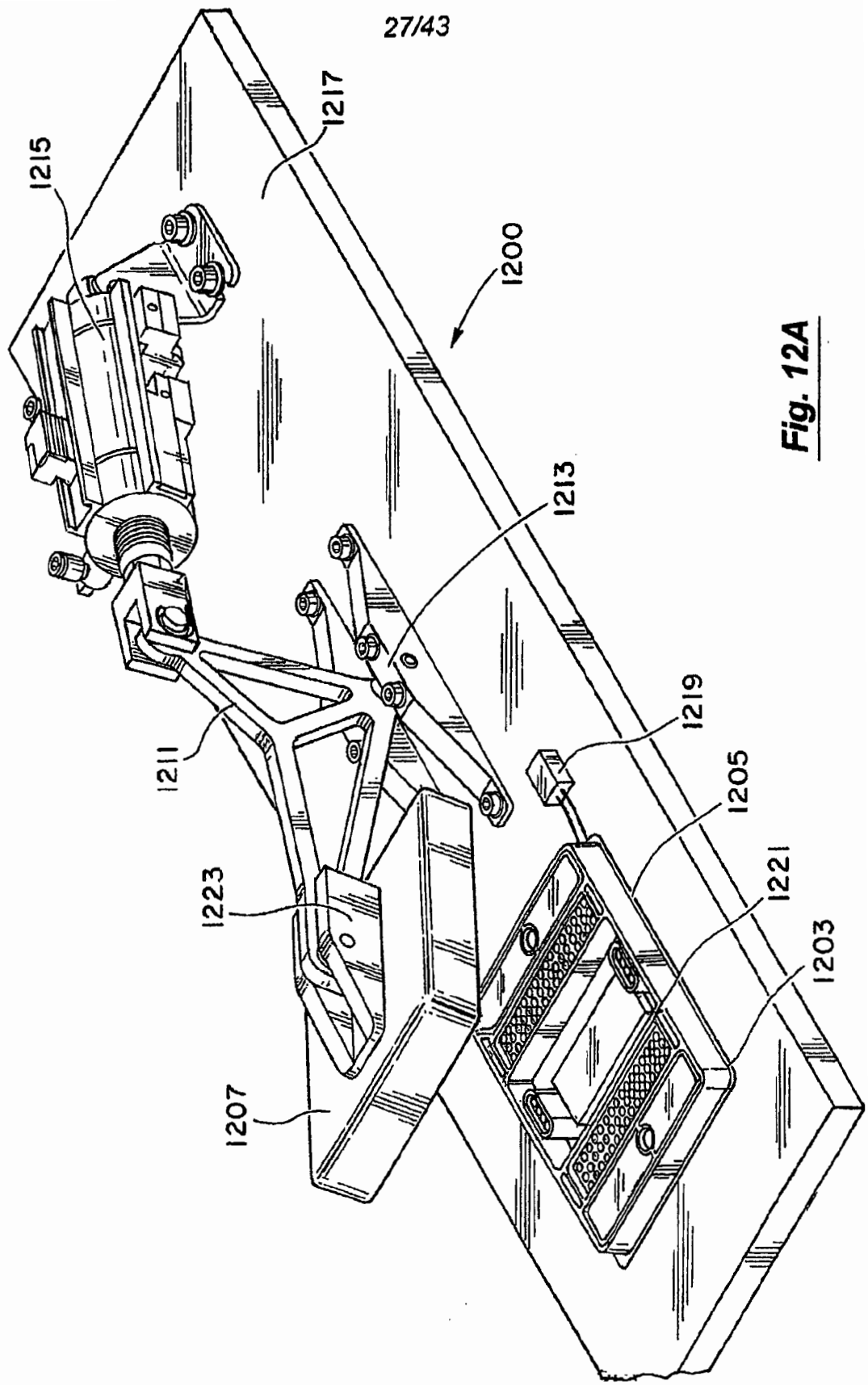


Fig. 12A

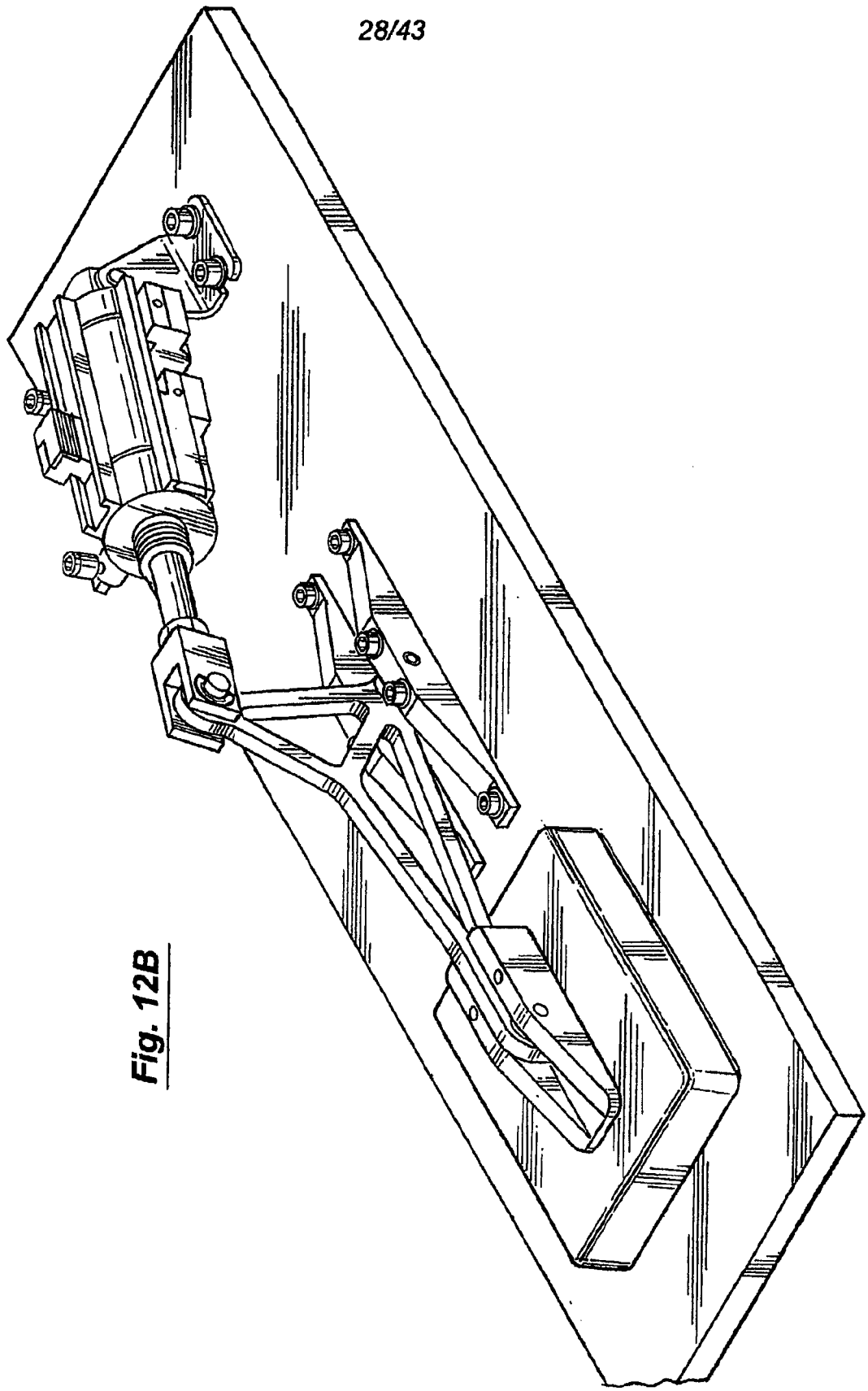


Fig. 12B

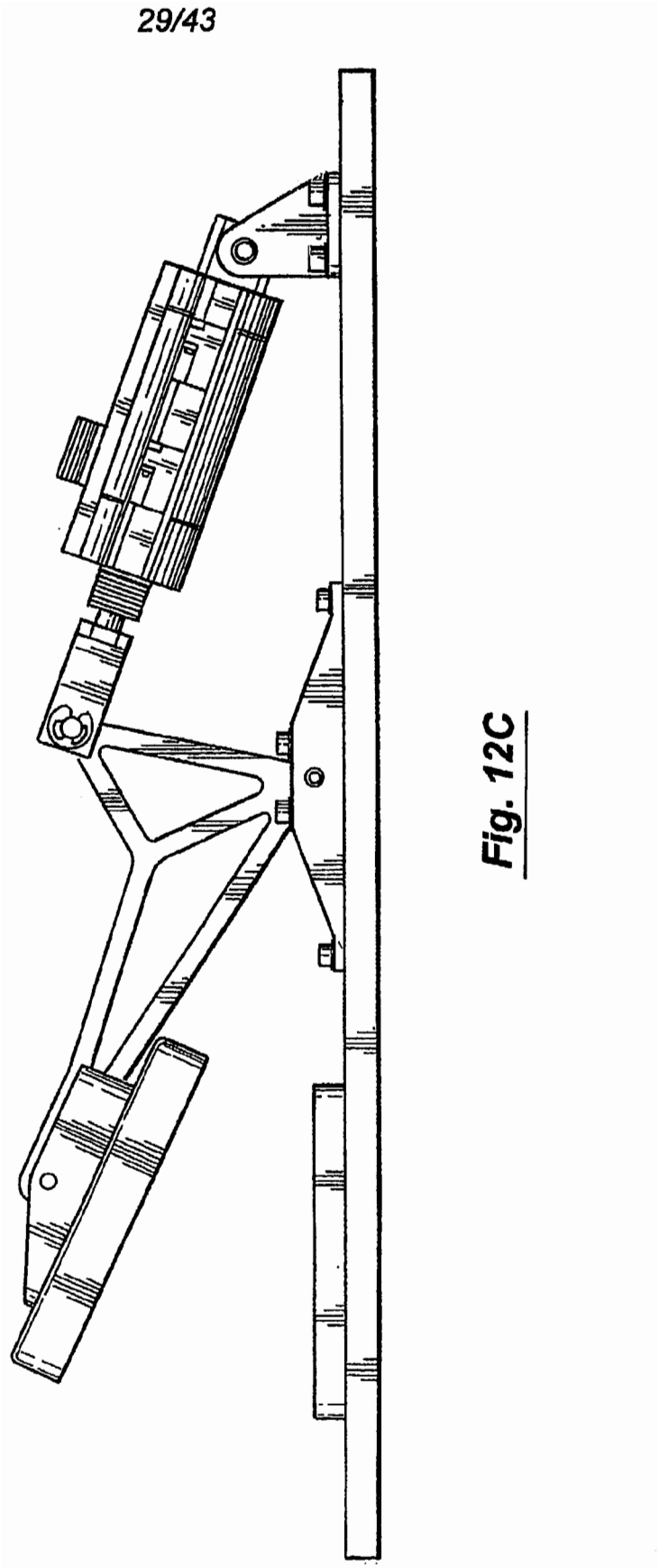


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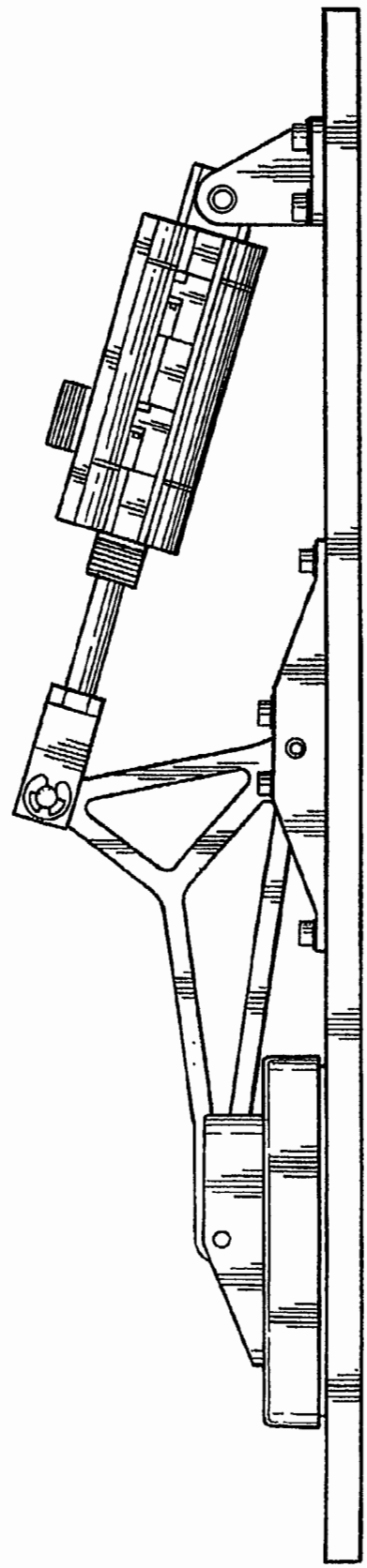


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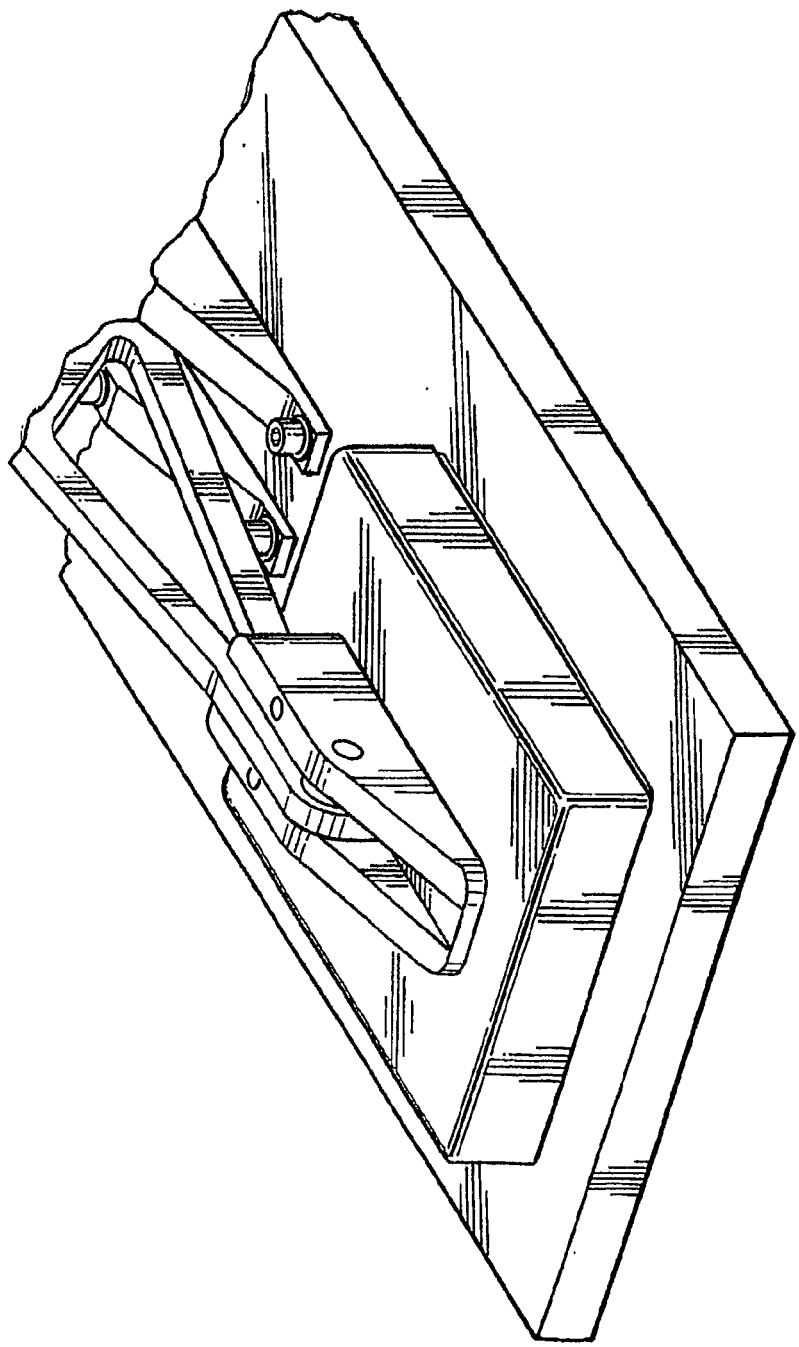


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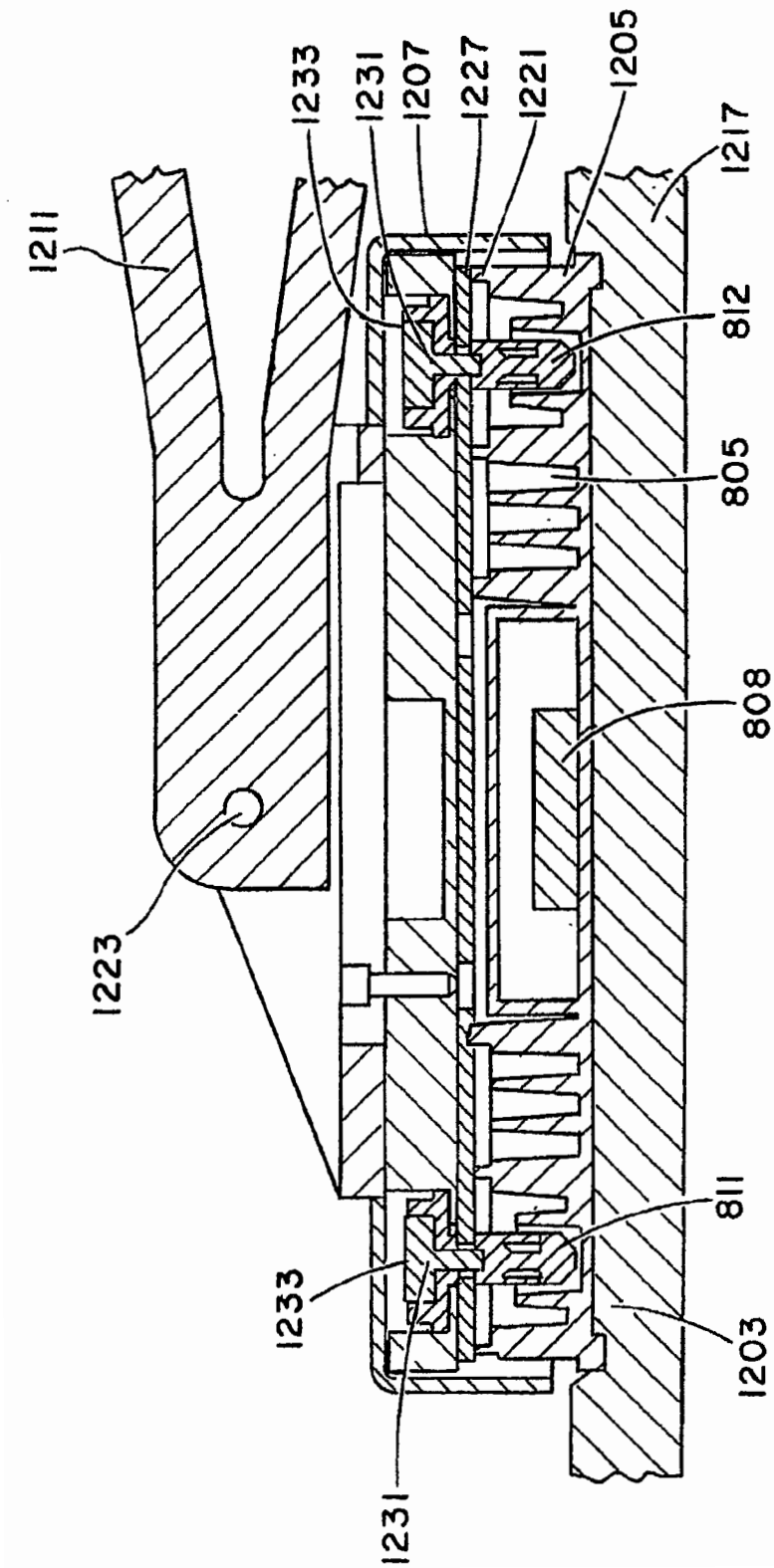

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Fig. 12F

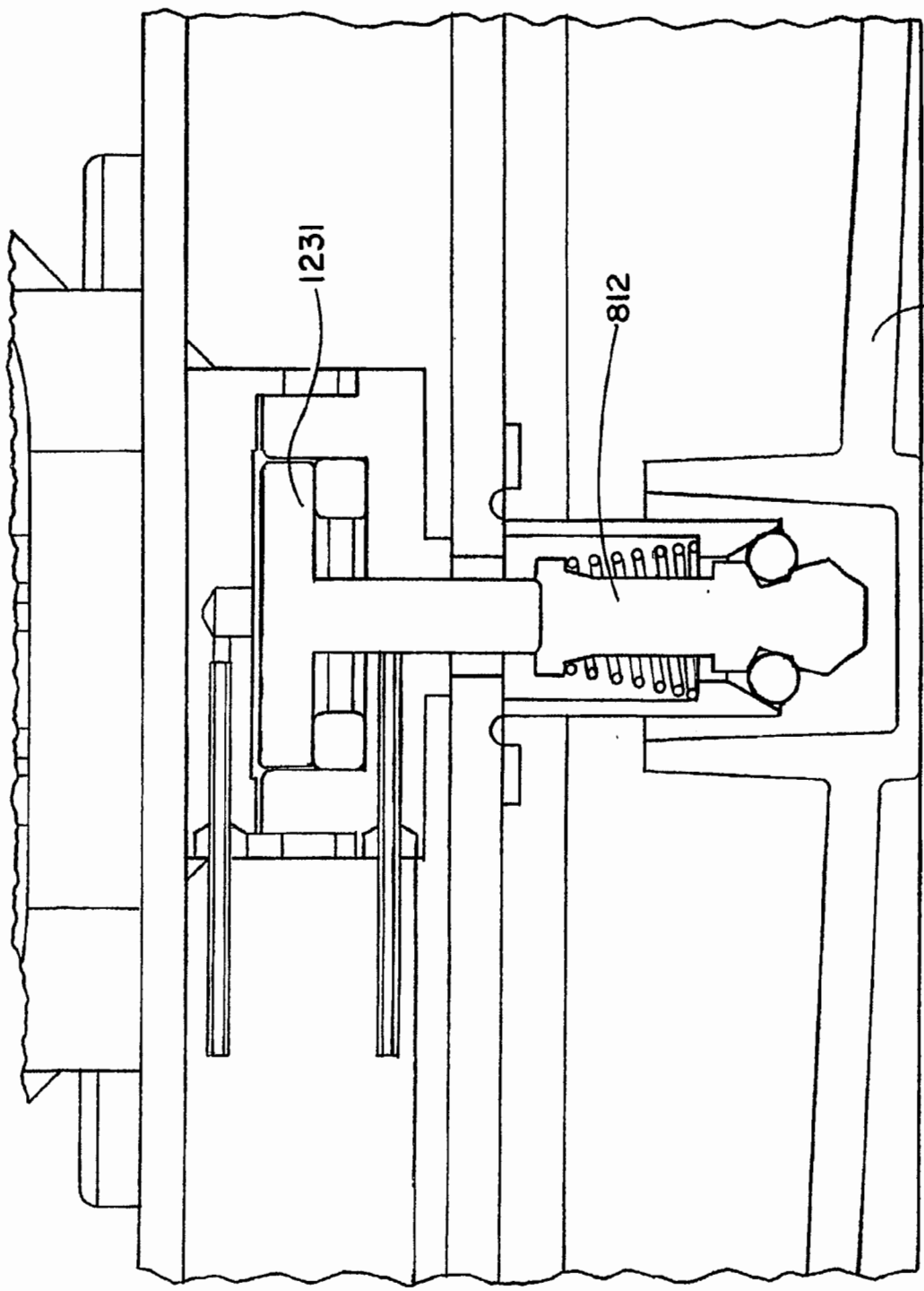


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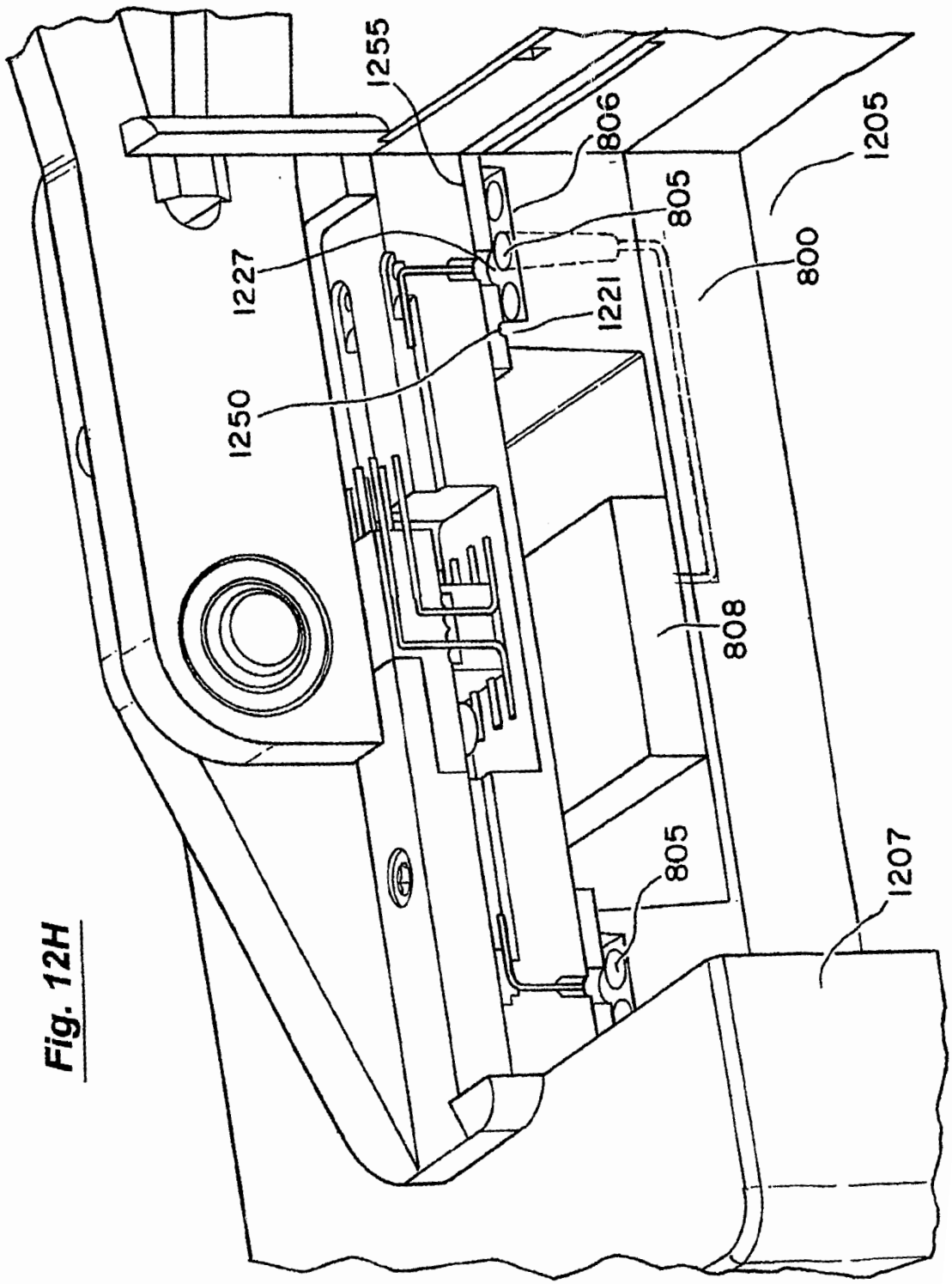


Fig. 12H

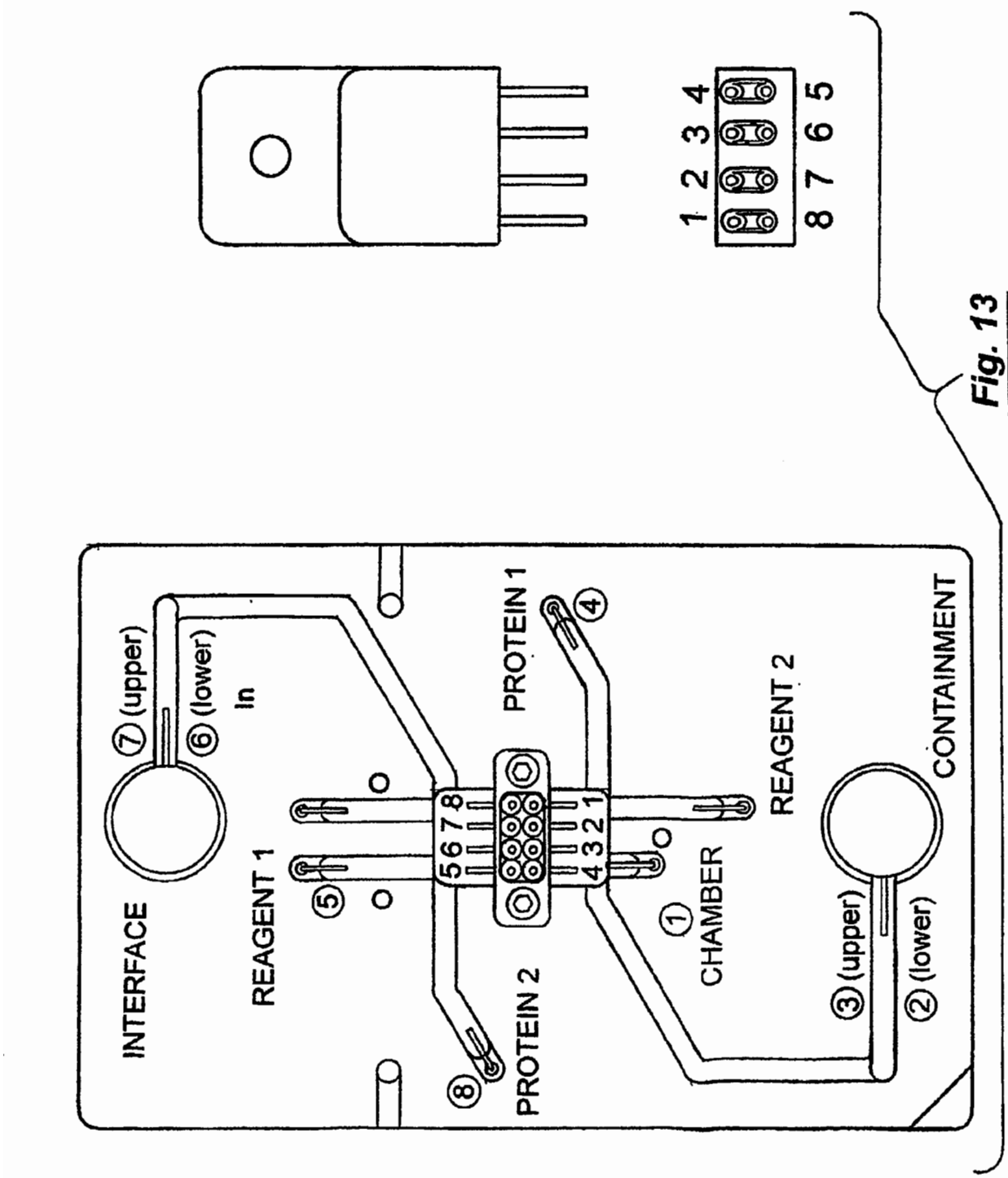

INTERFACE
⑦ (upper)
⑥ (lower)
In
REAGENT 1
⑤
PROTEIN 2
⑧
5 6 7 8
4 3 2 1
PROTEIN 1
④
① CHAMBER
REAGENT 2
③ (upper)
② (lower)
CONTAINMENT
1 2 3 4
8 7 6 5

Fig. 13

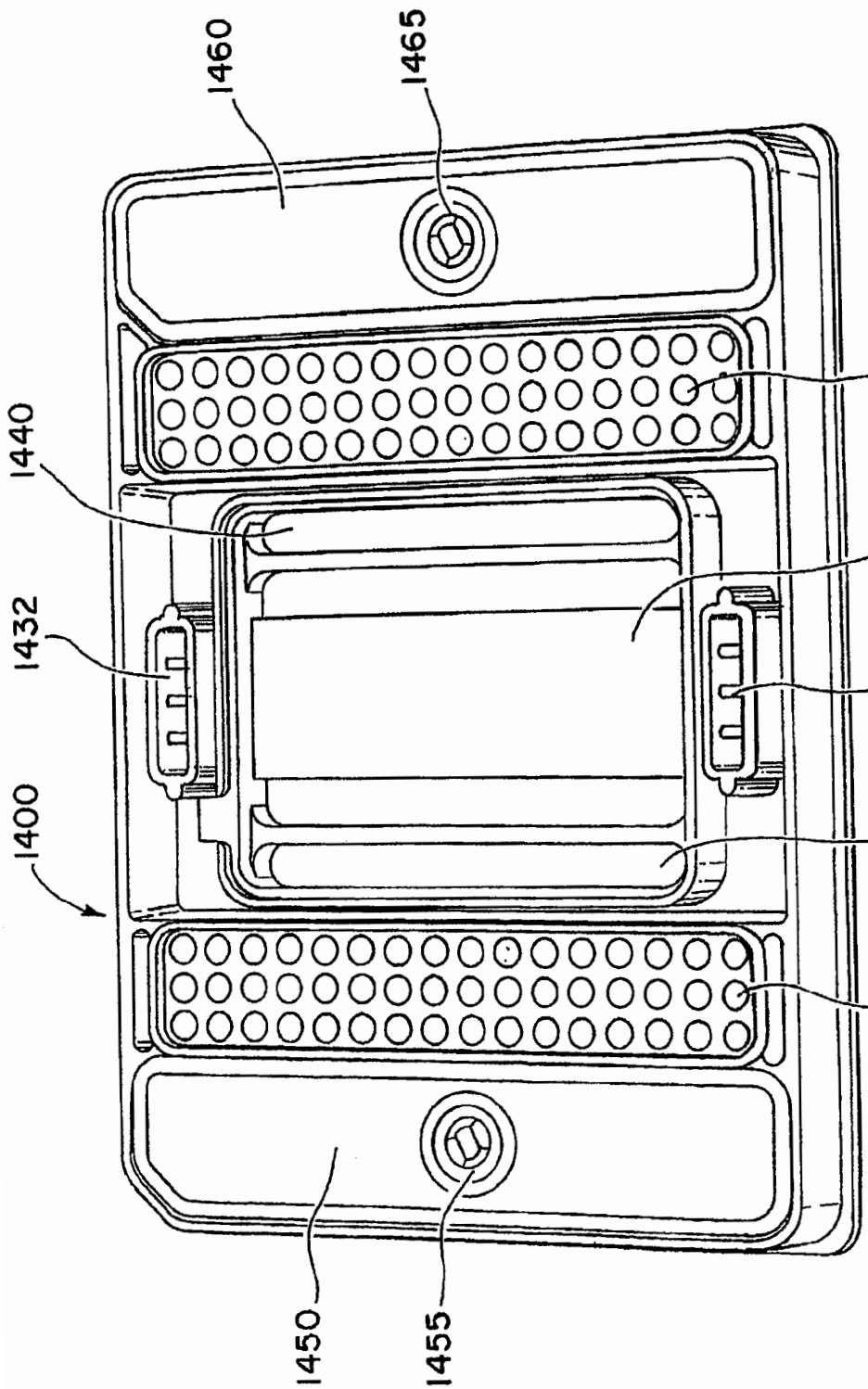


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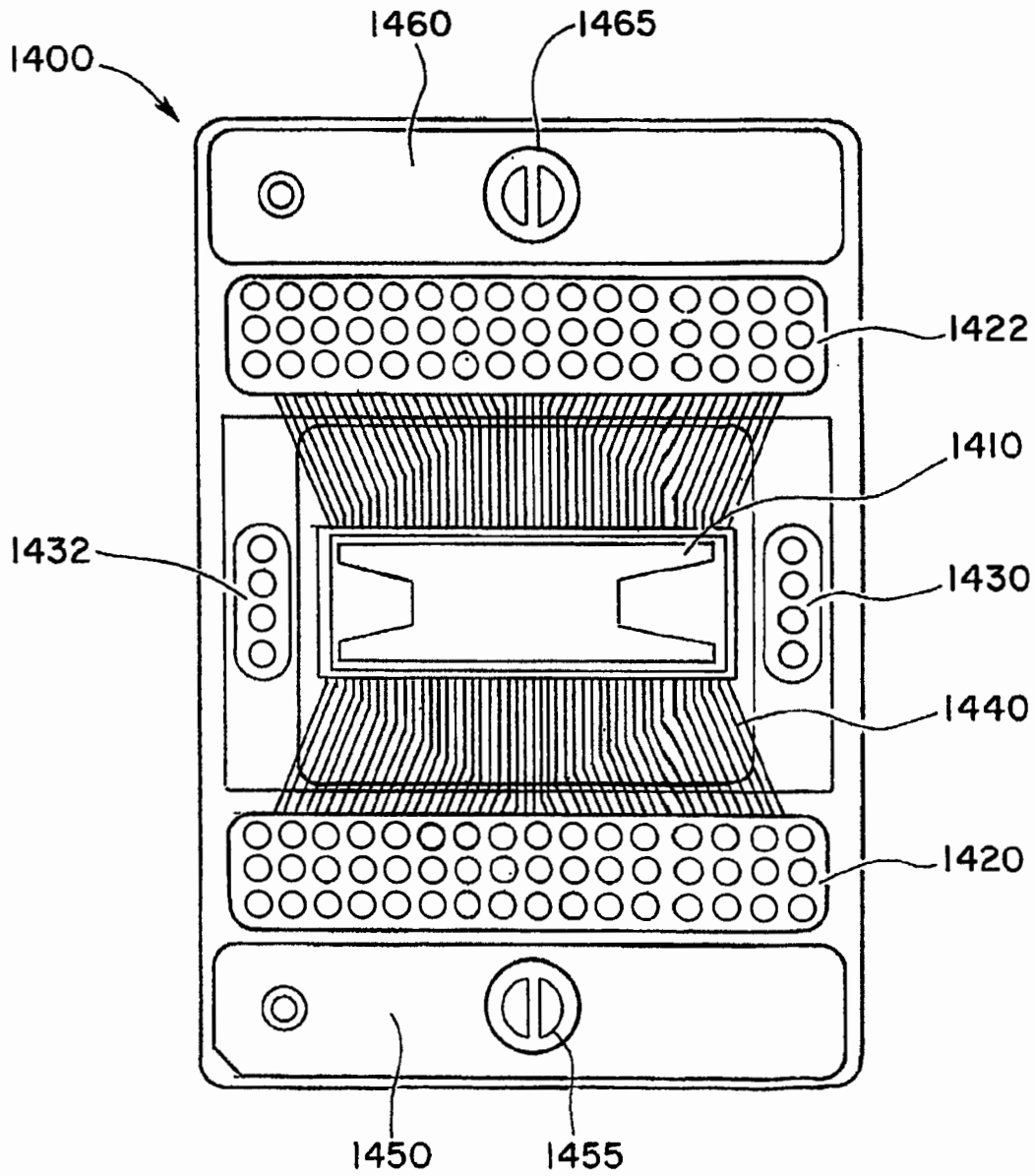


Fig. 14B

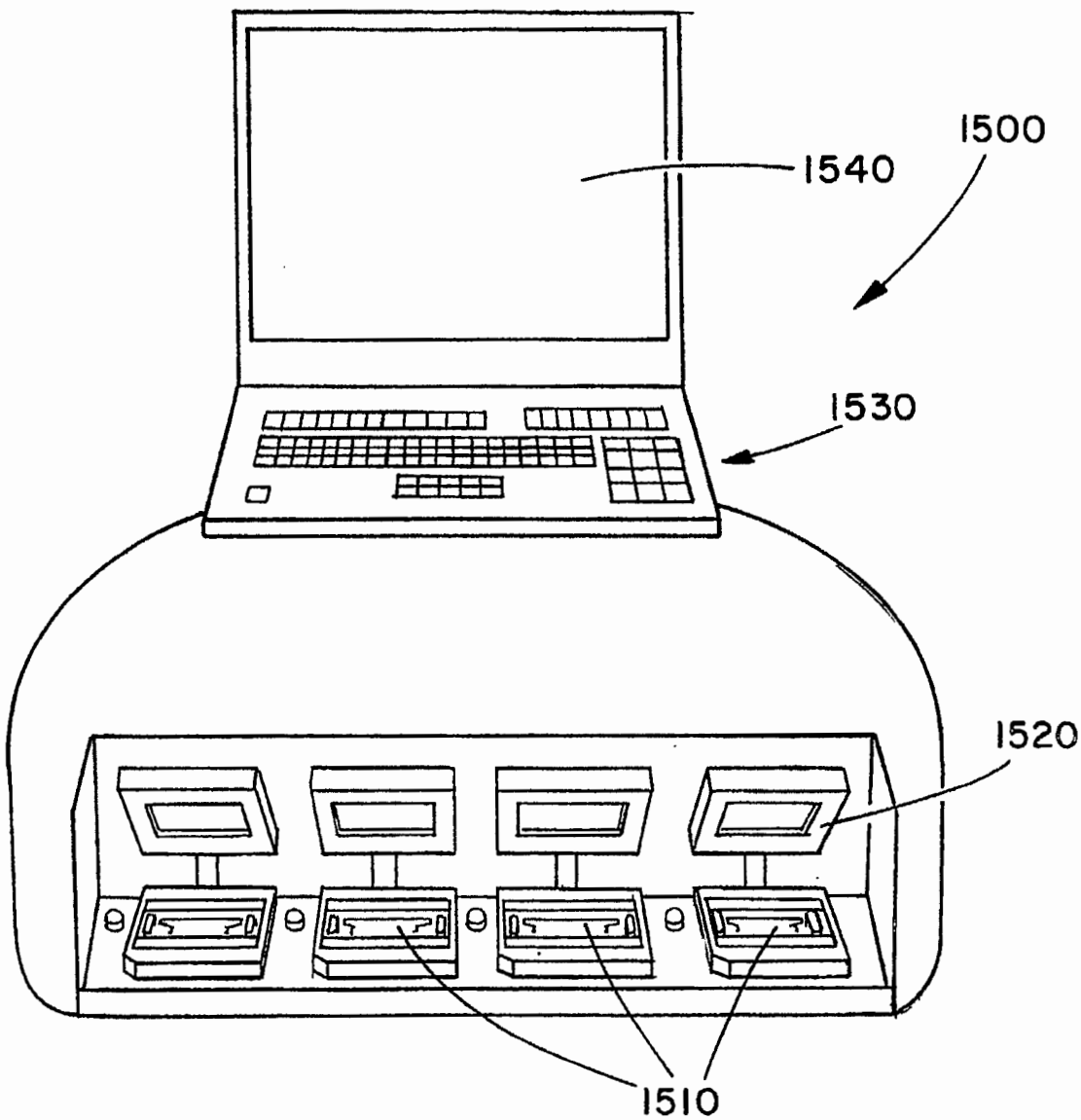


Fig. 15A

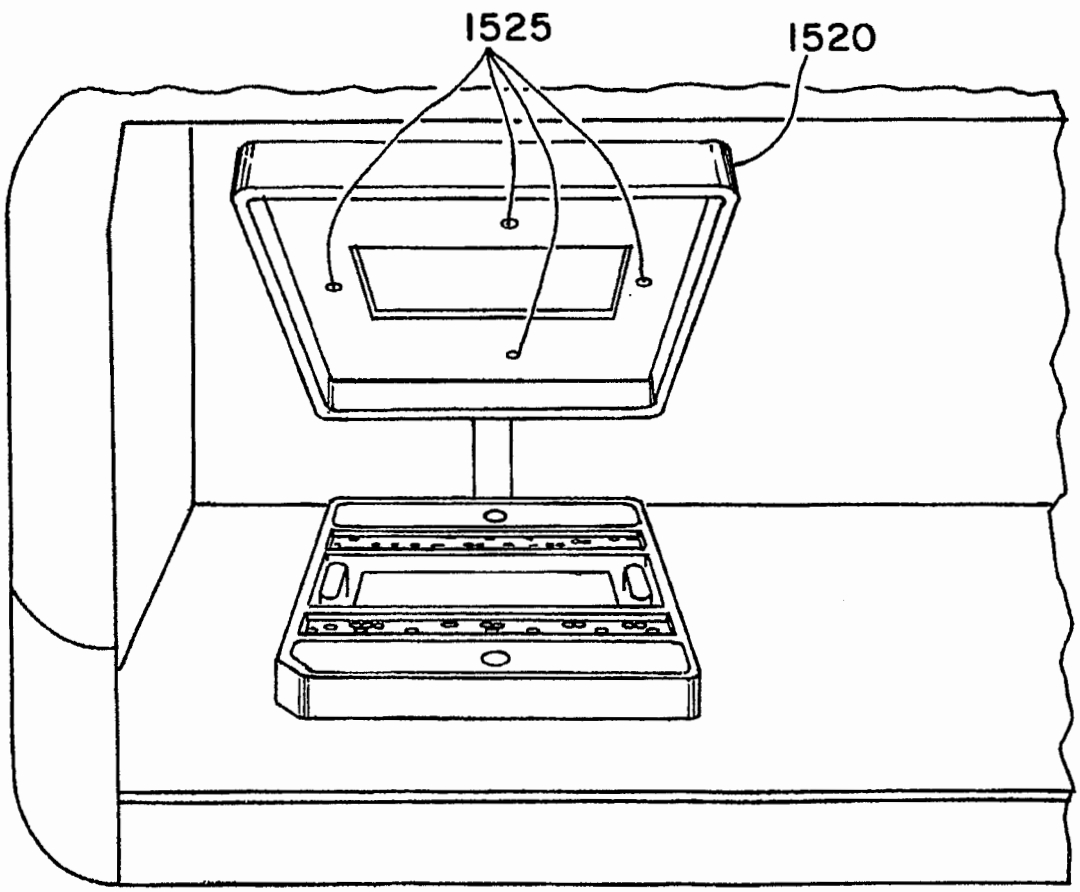


Fig. 15B

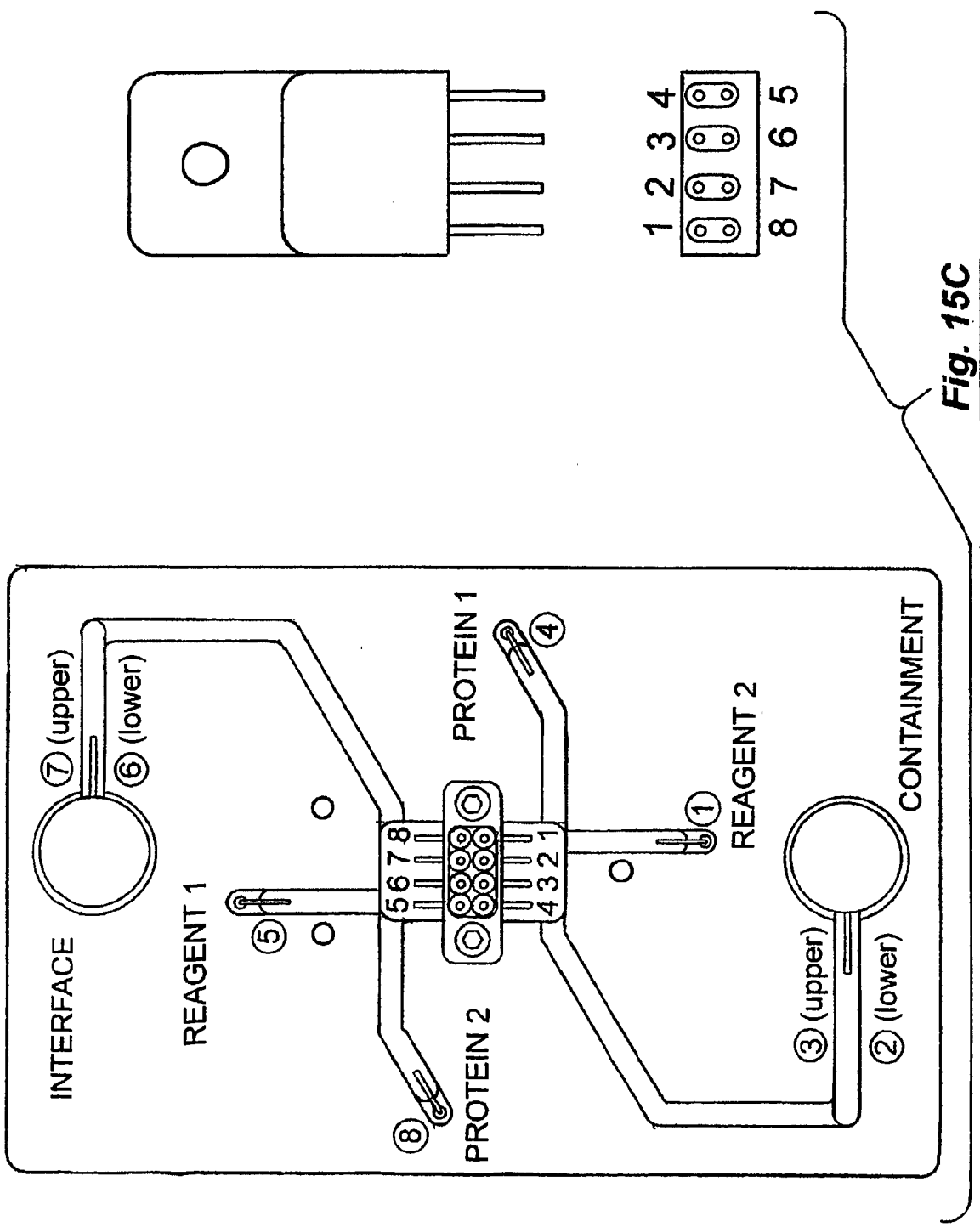

INTERFACE
⑦ (upper)
⑥ (lower)
REAGENT 1
⑤
5 6 7 8
PROTEIN 2
⑧
PROTEIN 1
④
4 3 2 1
①
REAGENT 2
③ (upper)
② (lower)
CONTAINMENT
1 2 3 4
8 7 6 5

Fig. 15C

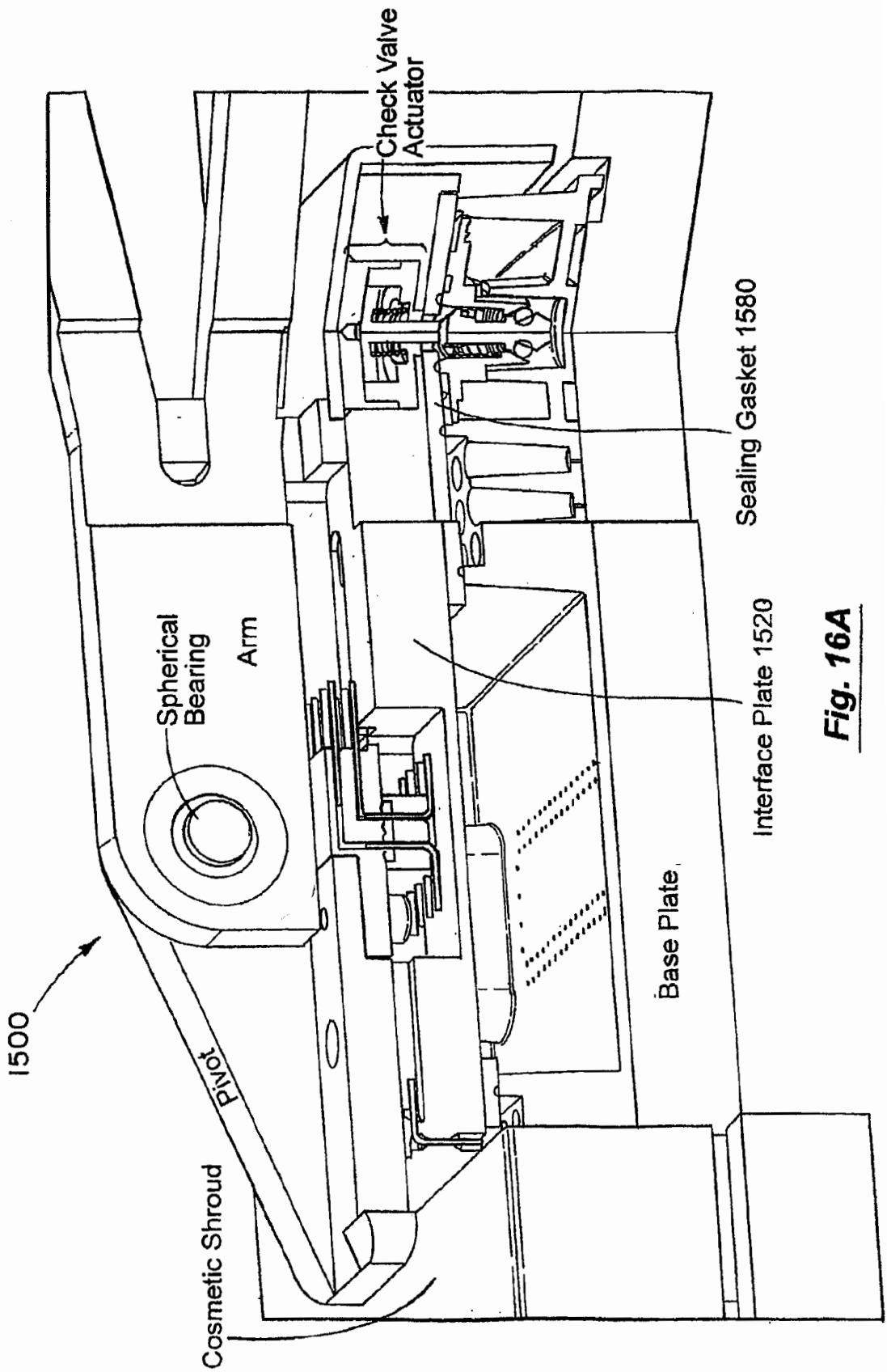

1500
Pivot
Cosmetic Shroud
Spherical Bearing
Arm
Check Valve Actuator
Sealing Gasket 1580
Interface Plate 1520
Base Plate

Fig. 16A

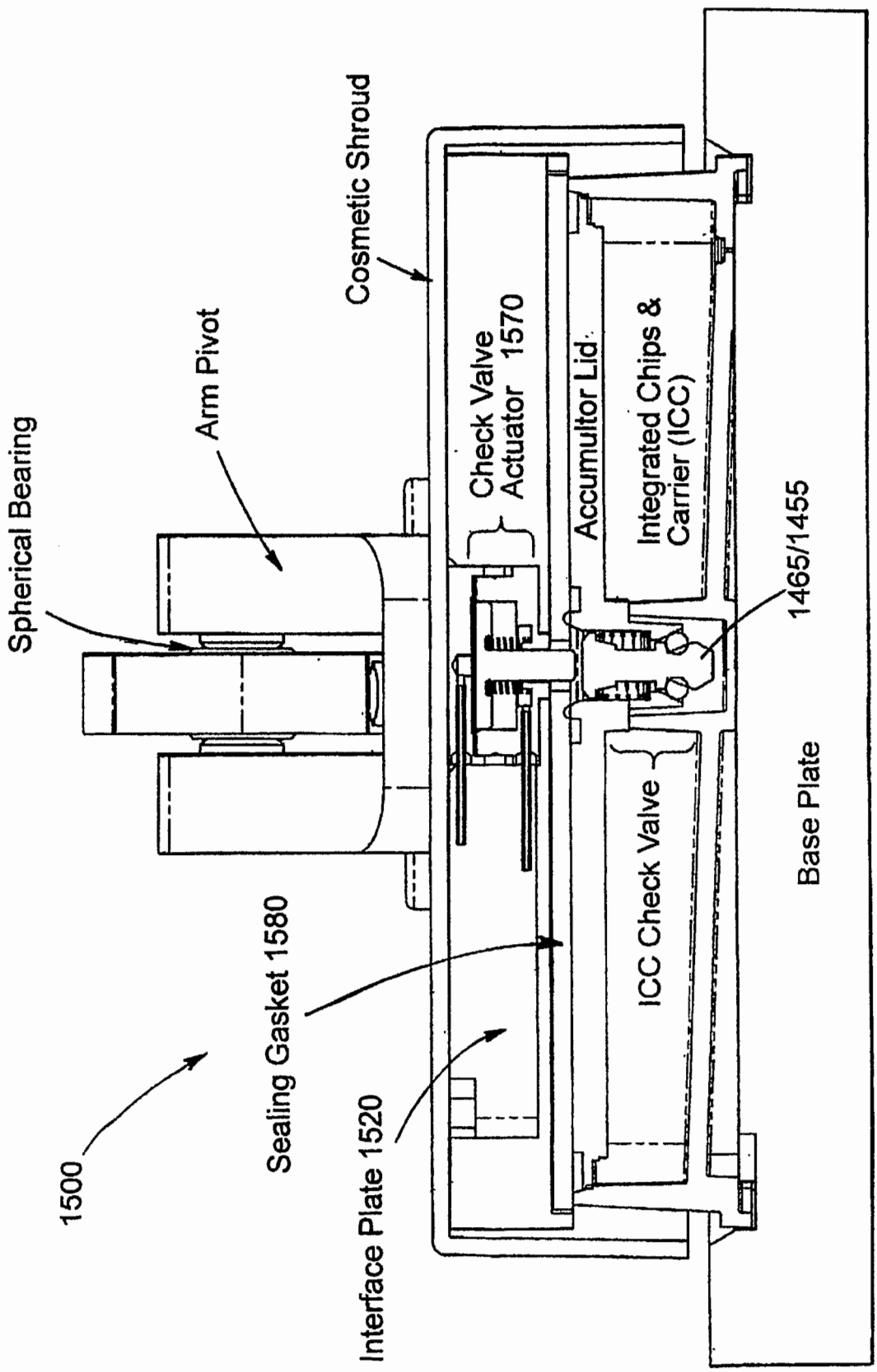

Spherical Bearing
Arm Pivot
Cosmetic Shroud
Check Valve Actuator 1570
Accumulator Lid
Integrated Chips & Carrier (ICC)
1465/1455
1500
Sealing Gasket 1580
Interface Plate 1520
ICC Check Valve
Base Plate

Fig. 16B

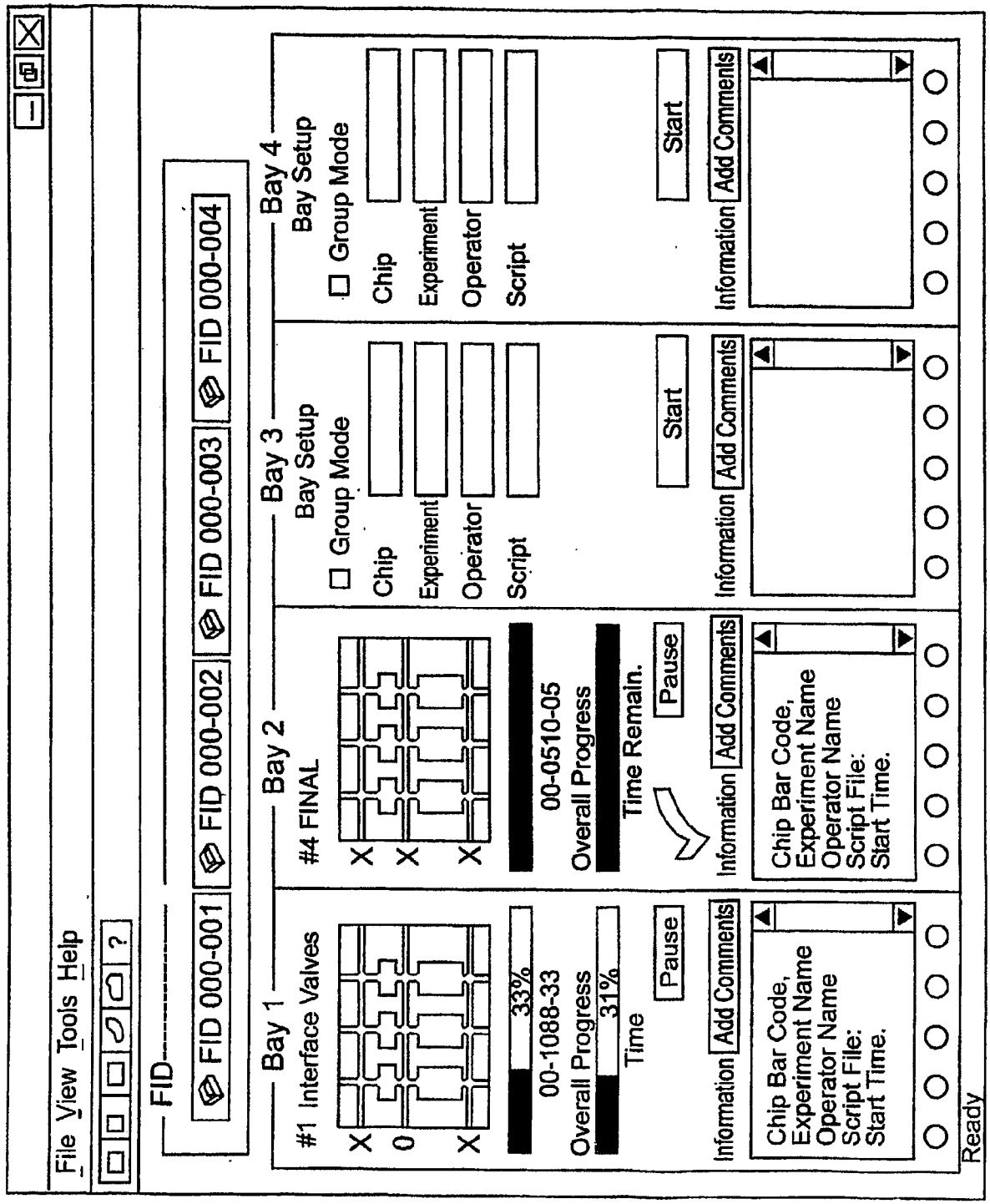

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Operator Name
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Start Time.
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Information
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Experiment Name
Operator Name
Script File:
Start Time.
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Bay Setup
Group Mode
Chip
Experiment
Operator
Script
Start
Information
Add Comments
Bay 4
Bay Setup
Group Mode
Chip
Experiment
Operator
Script
Start
Information
Add Comments
Ready

Fig. 17