

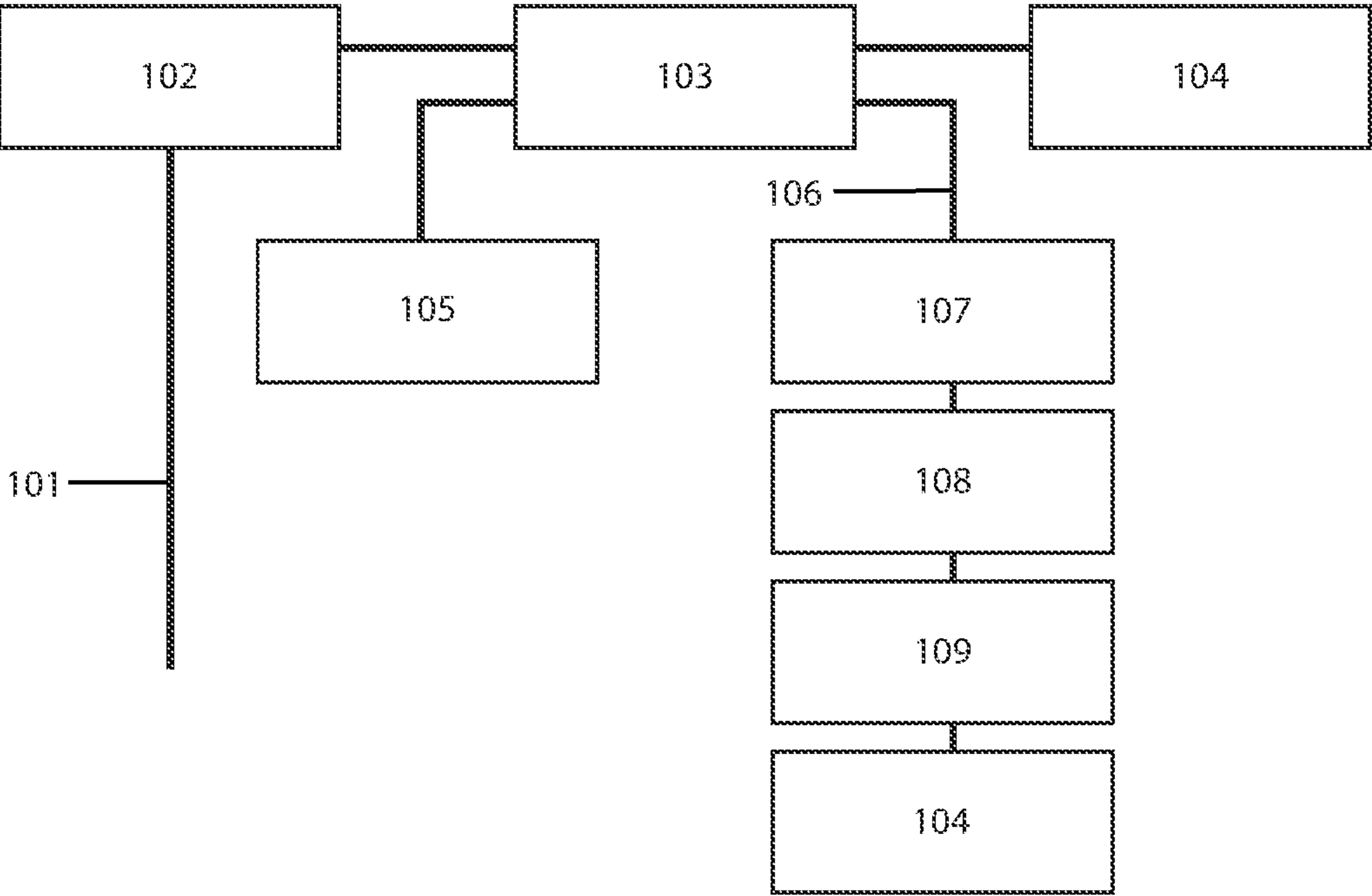


Figure 1

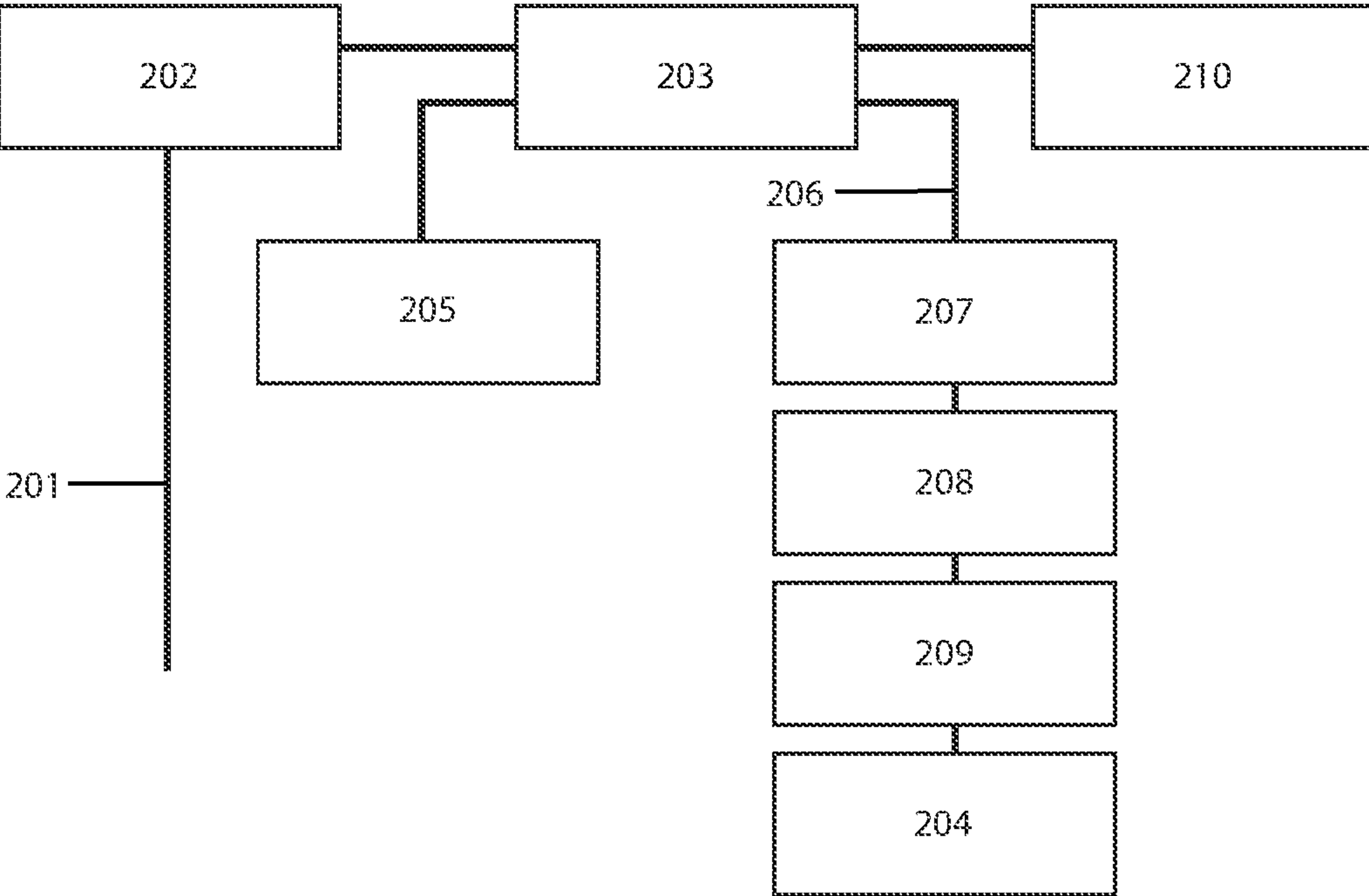


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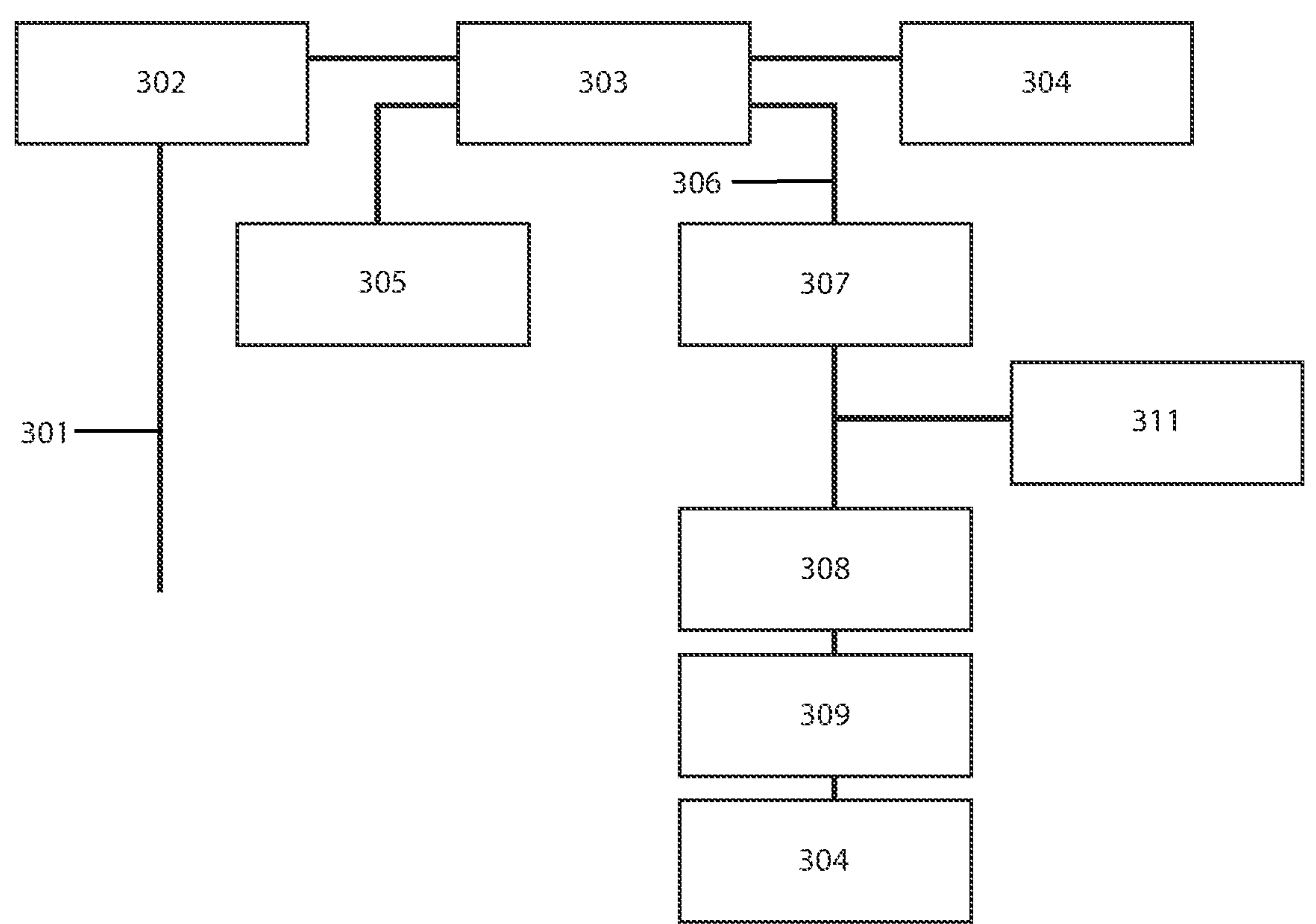


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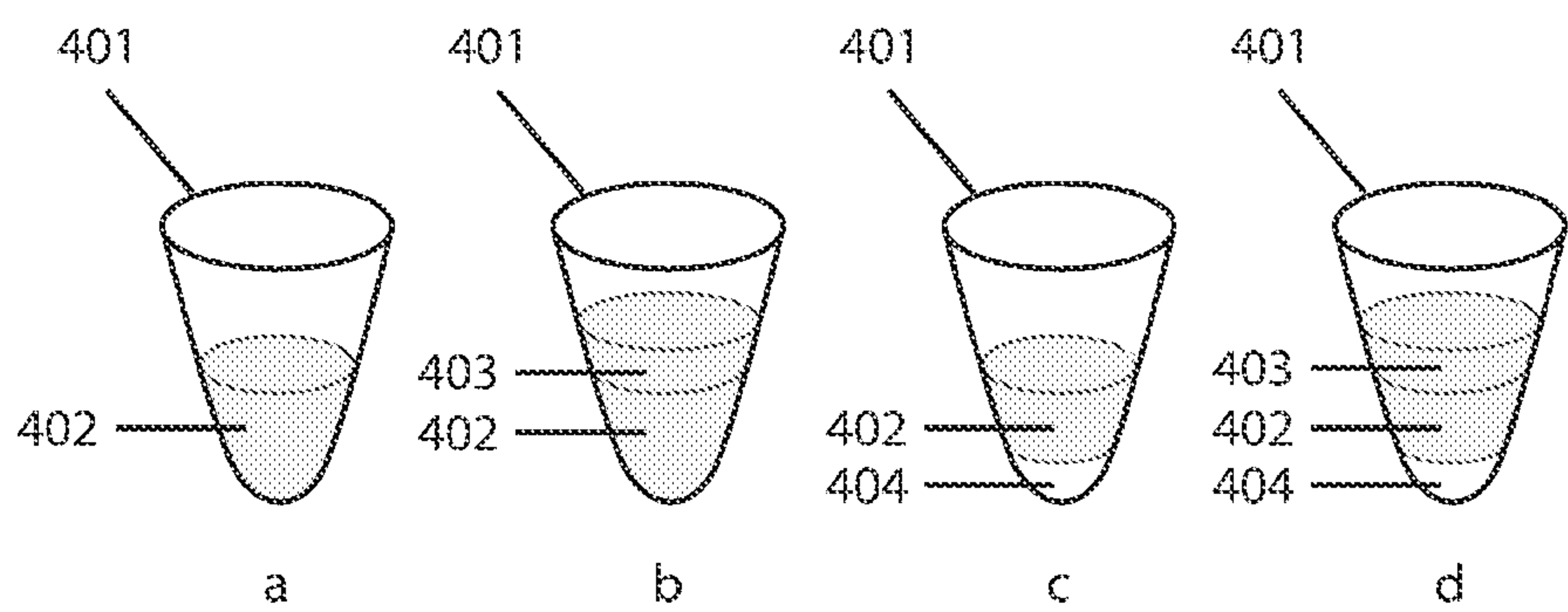
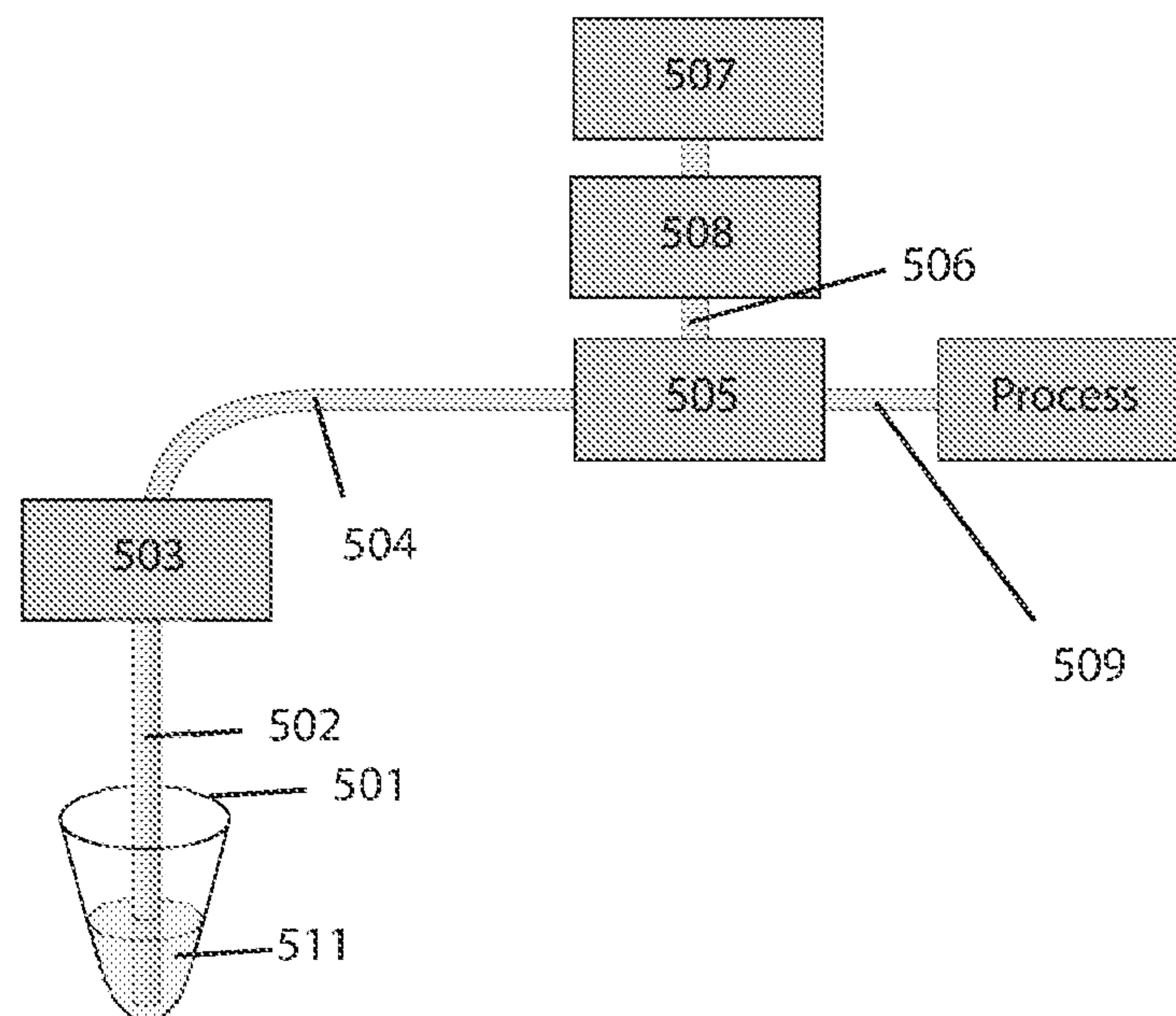
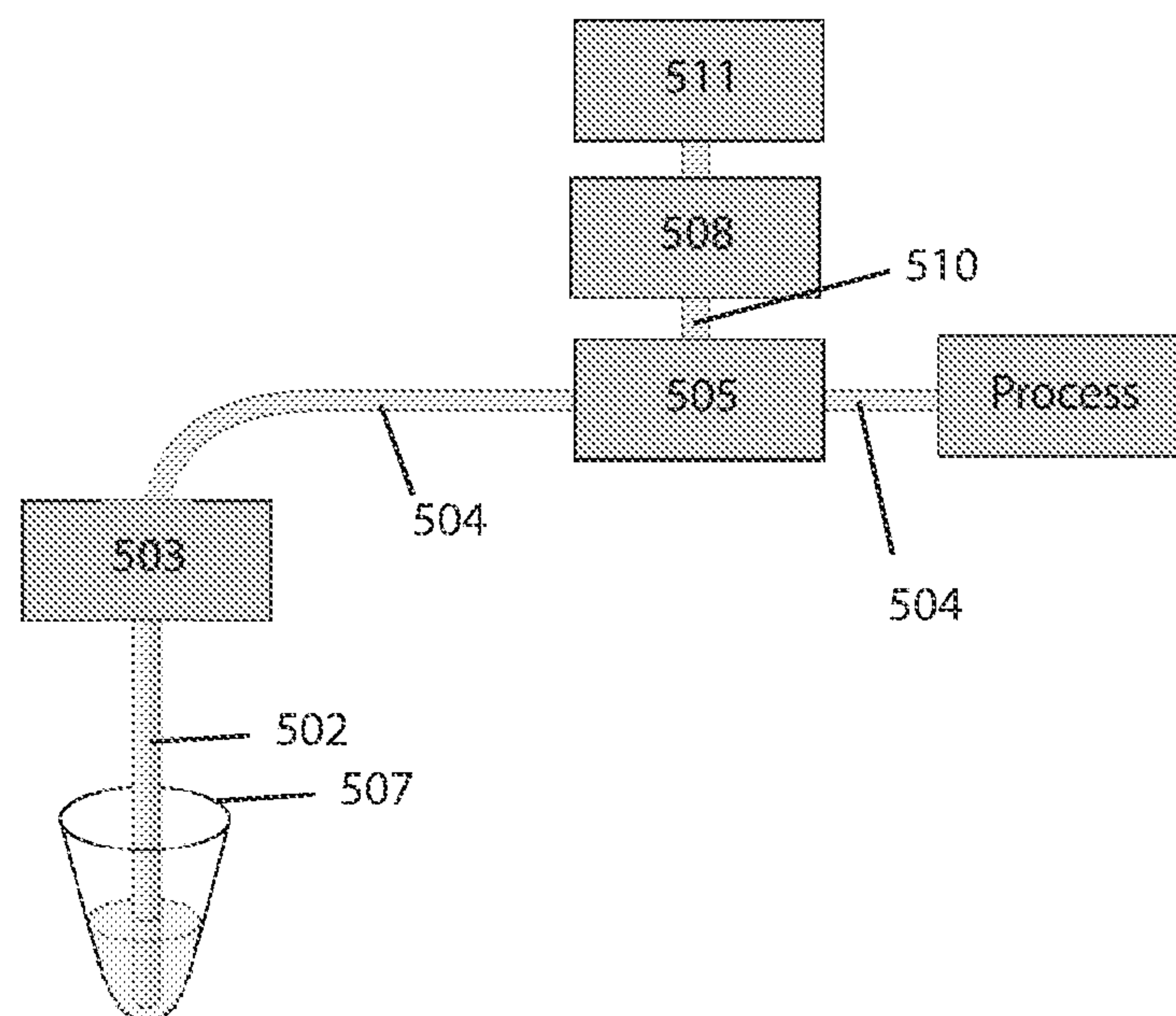
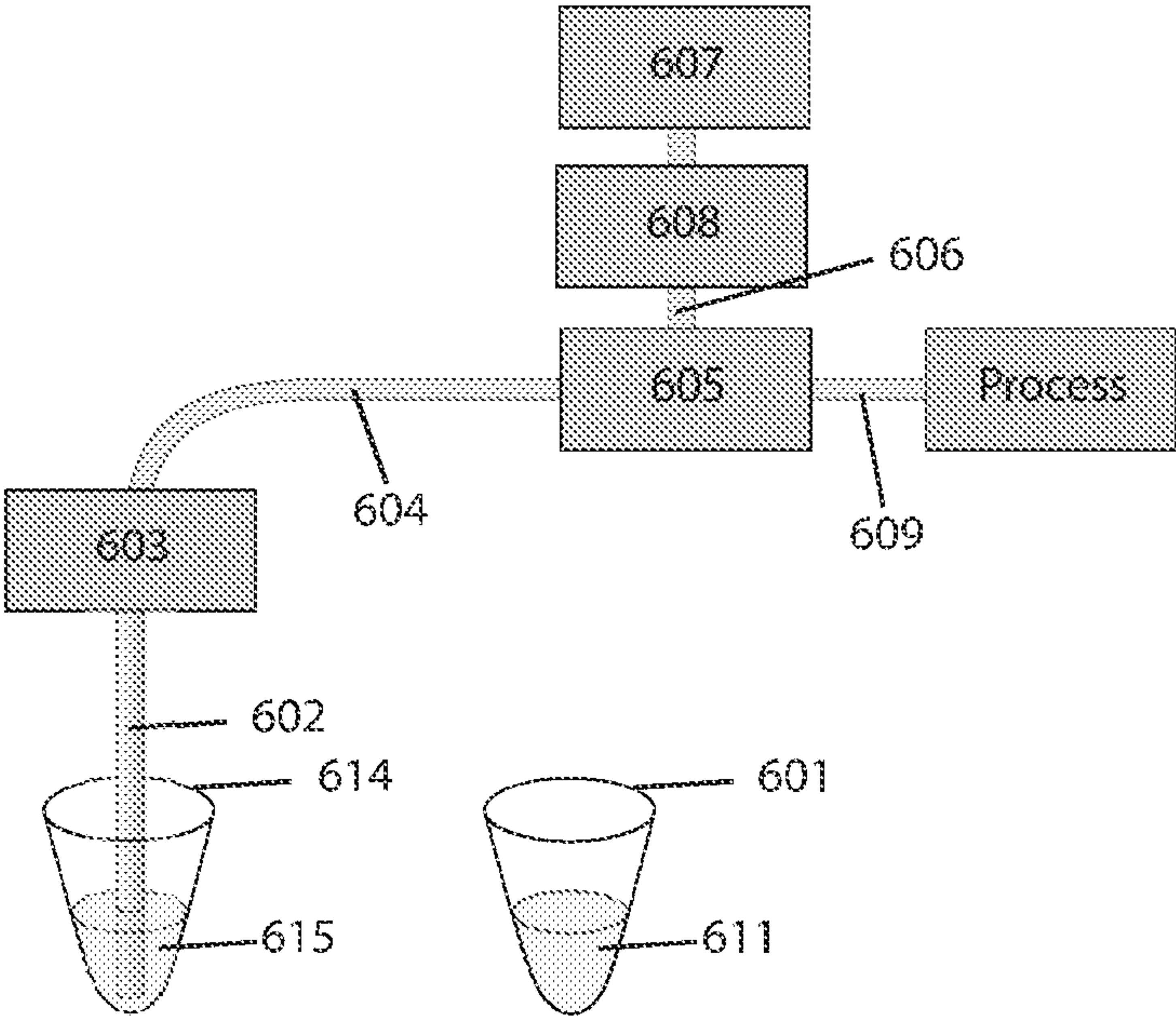


Figure 4

a**b****Figure 5**

a



b

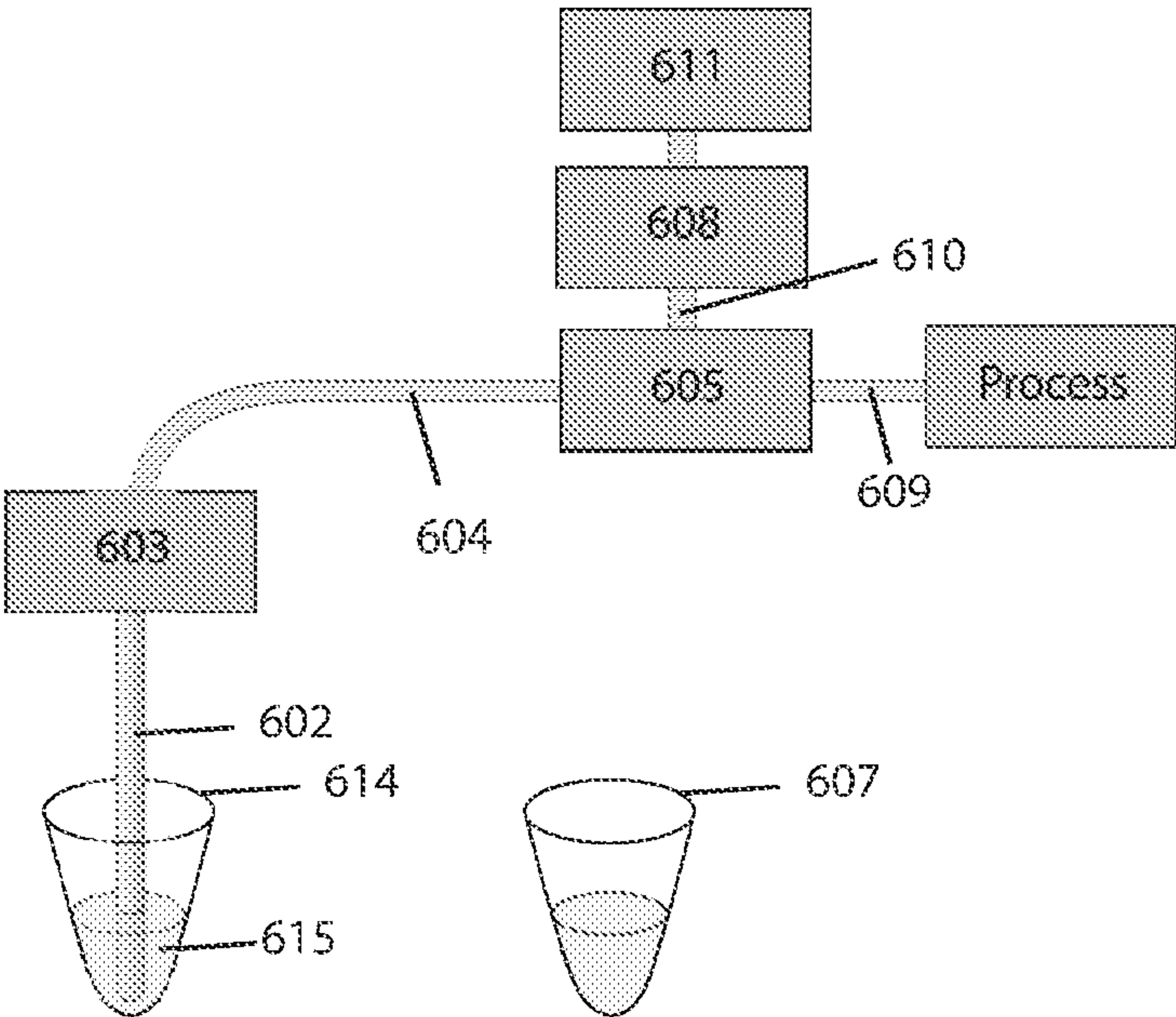
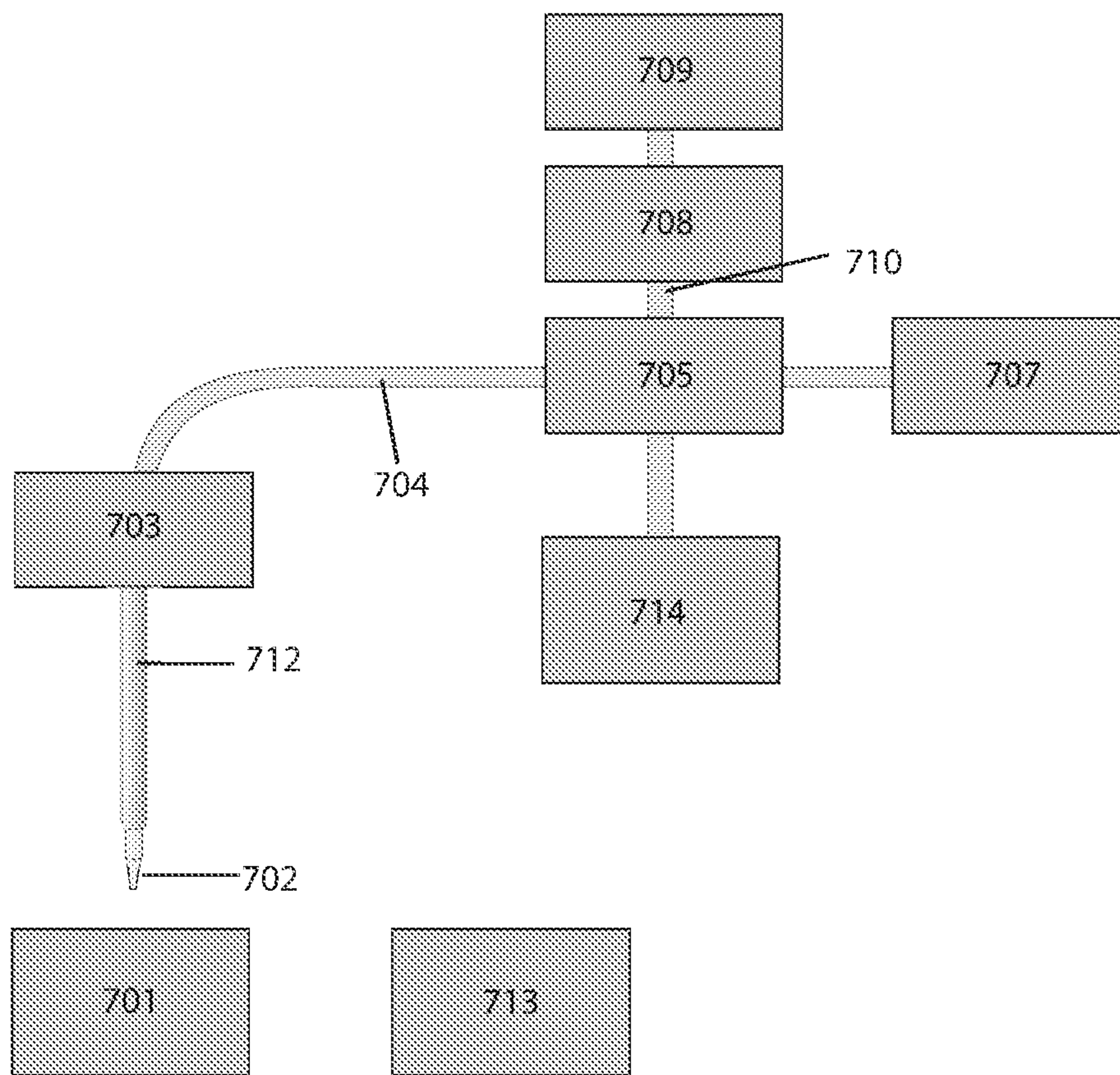


Figure 6

**Figure 7**

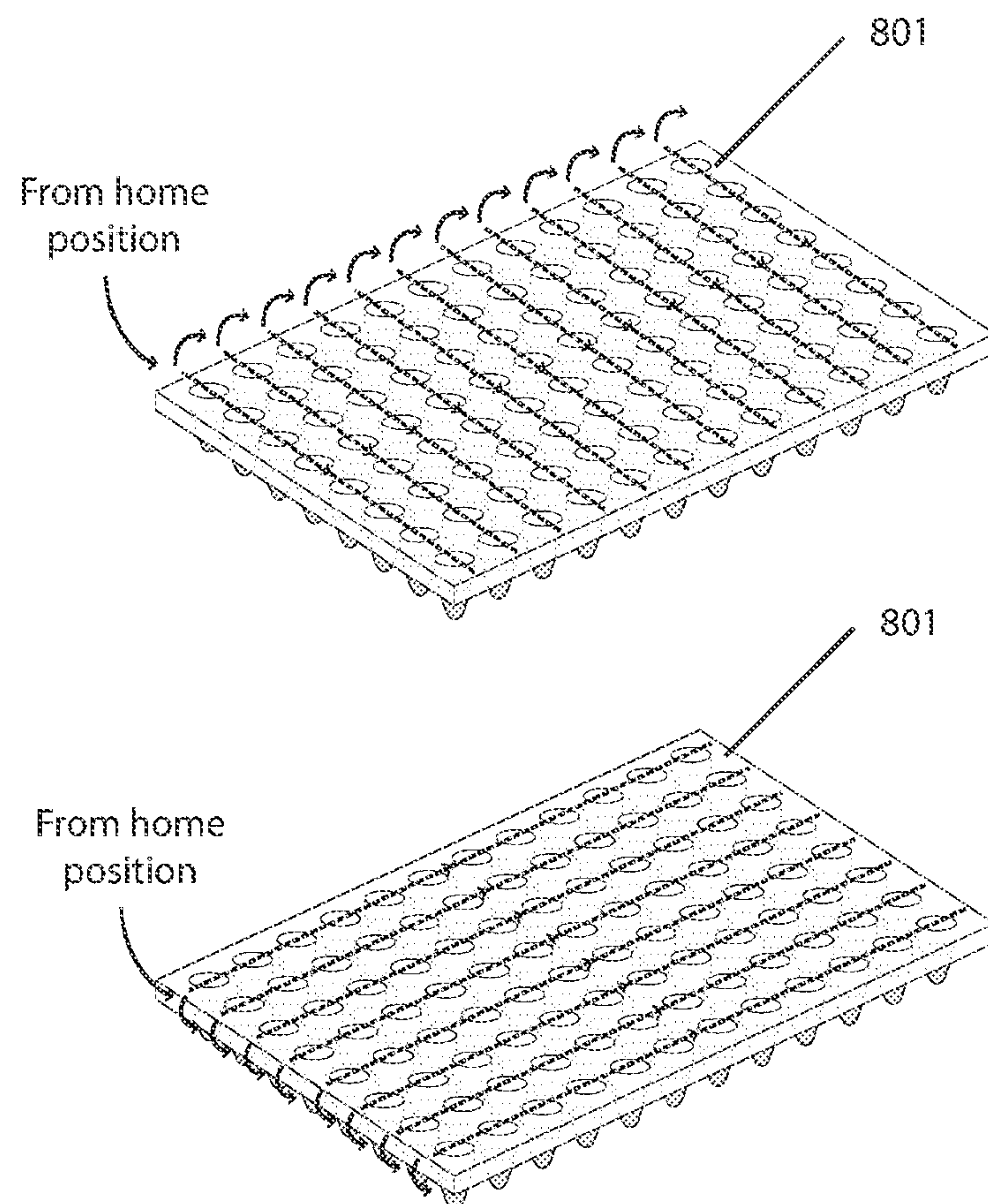
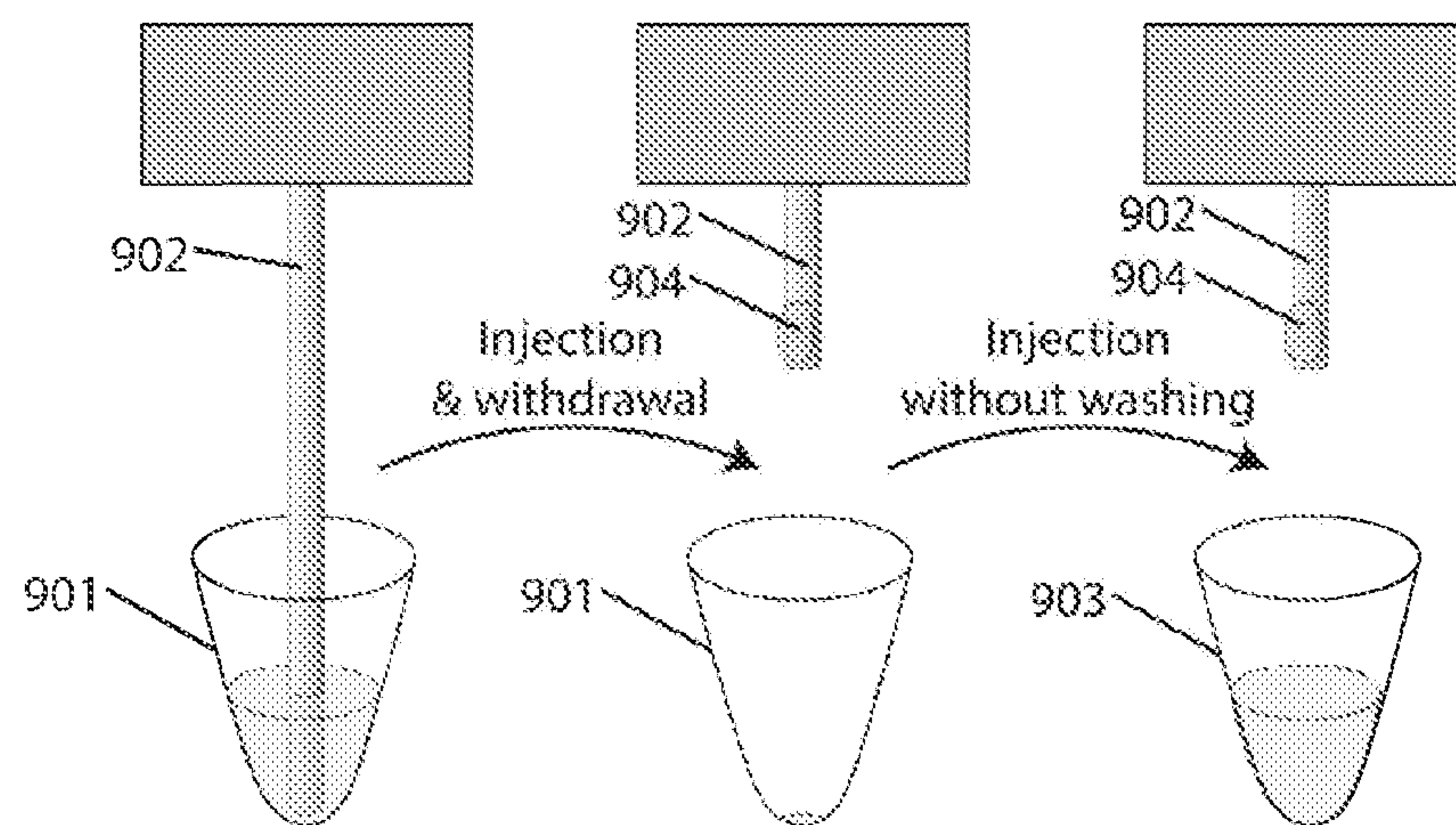
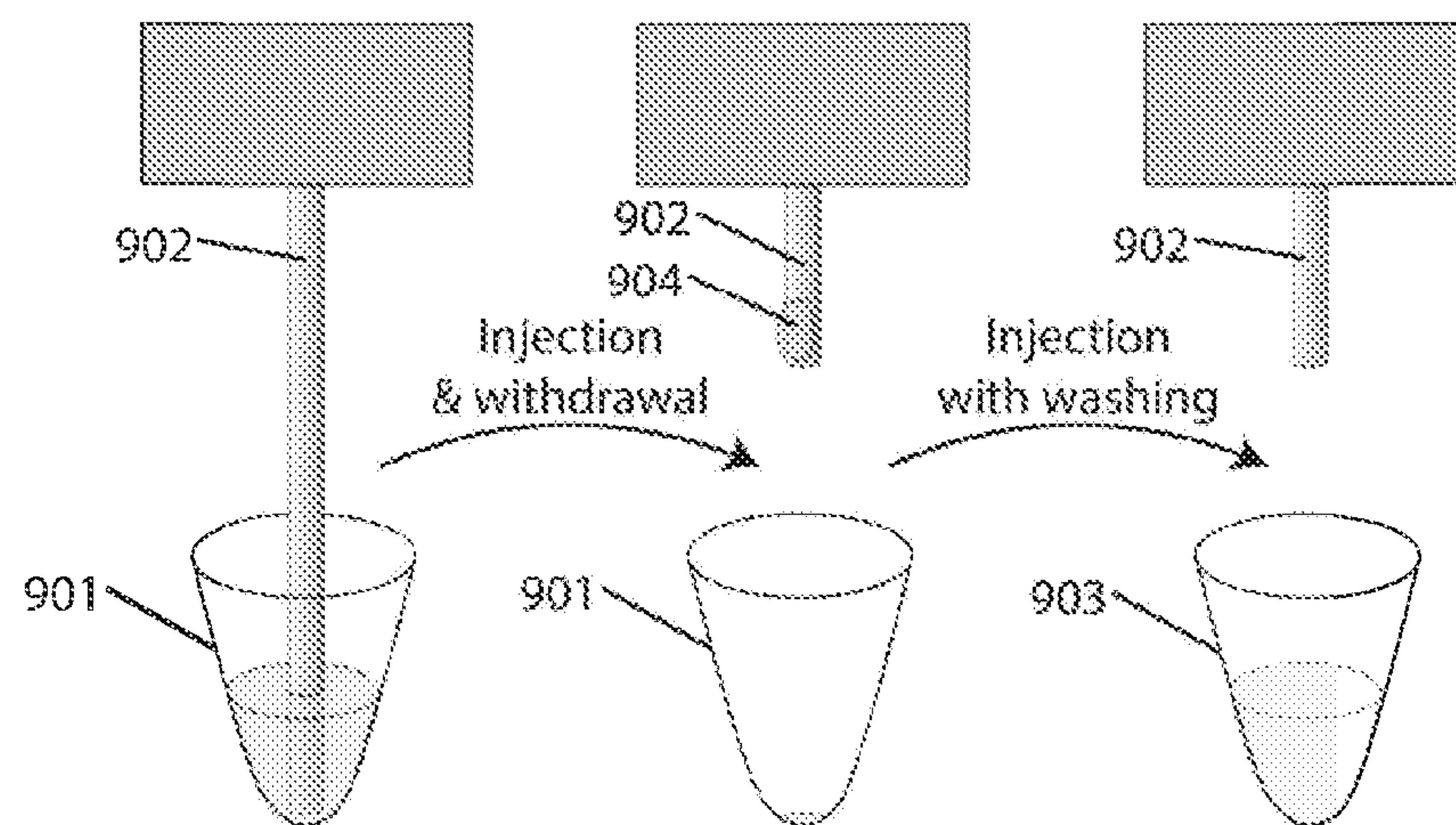
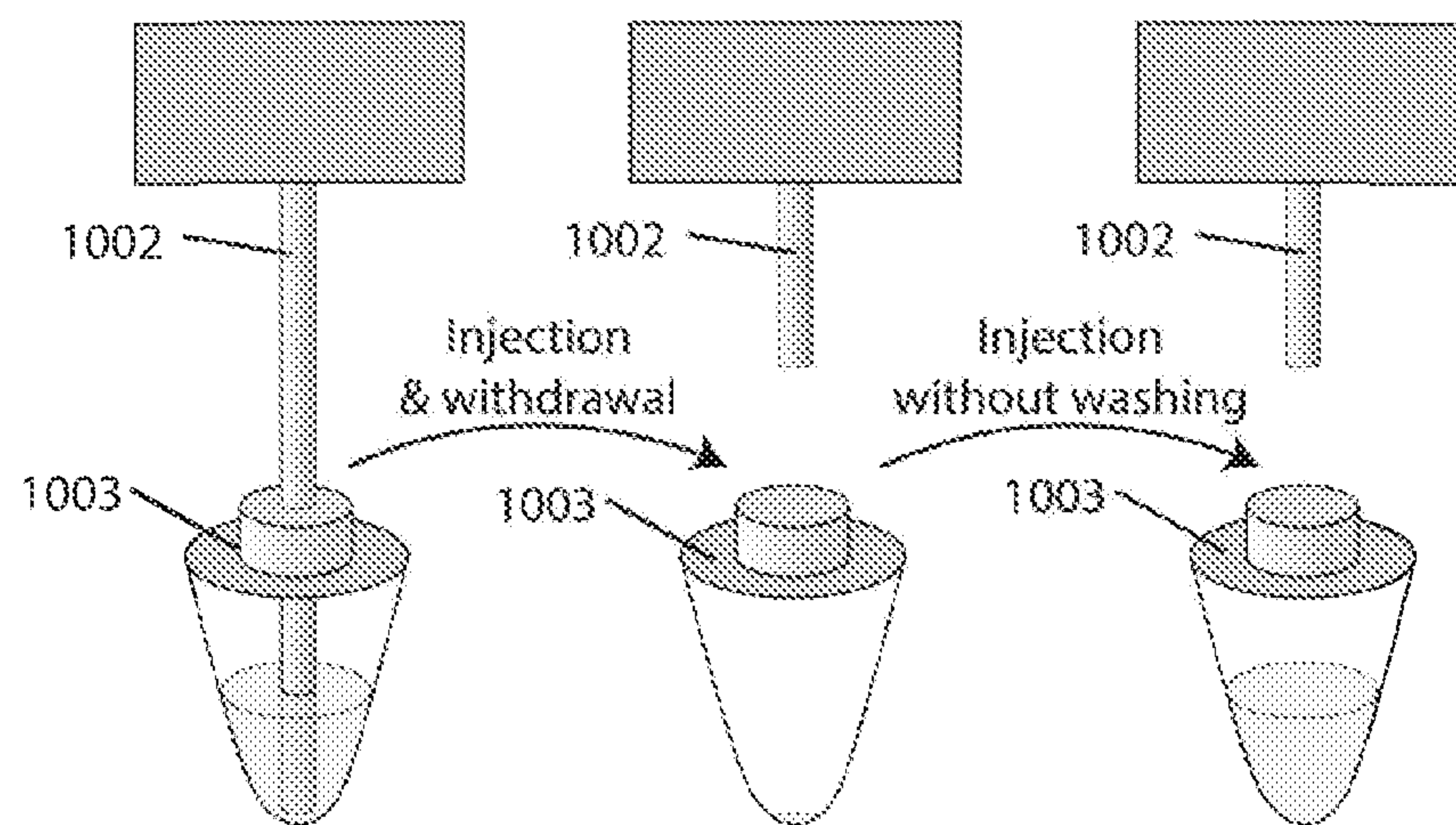
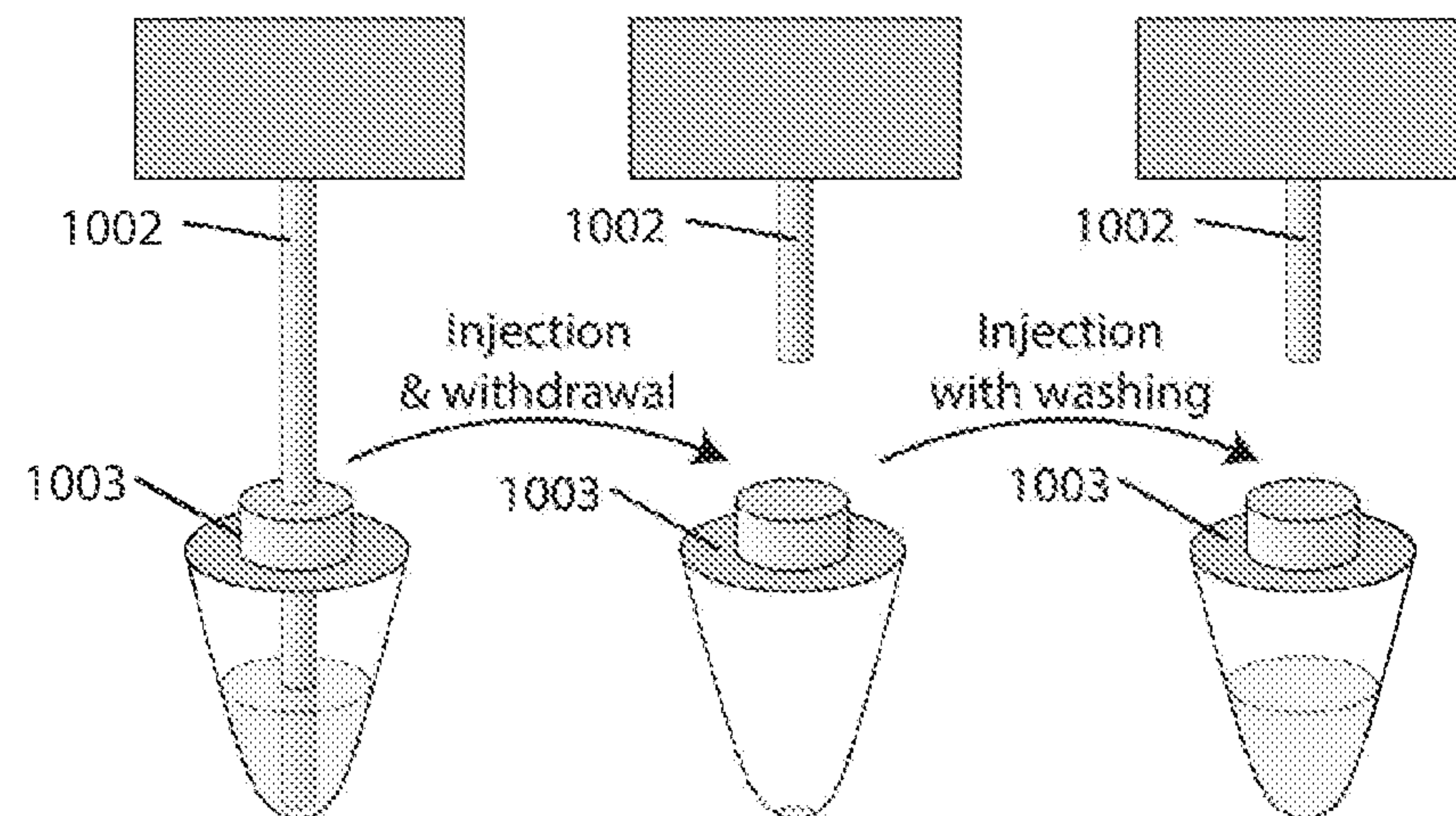
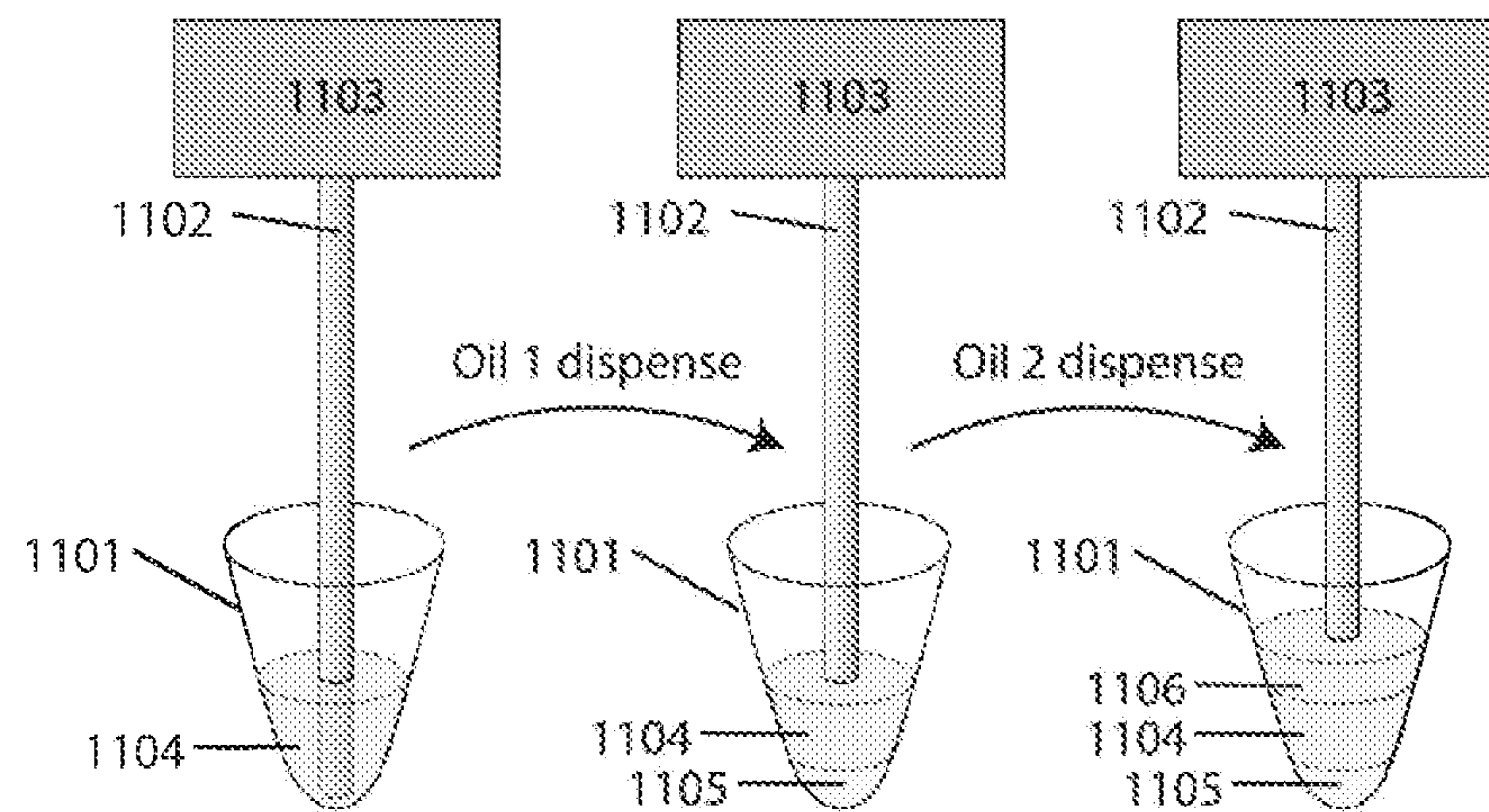
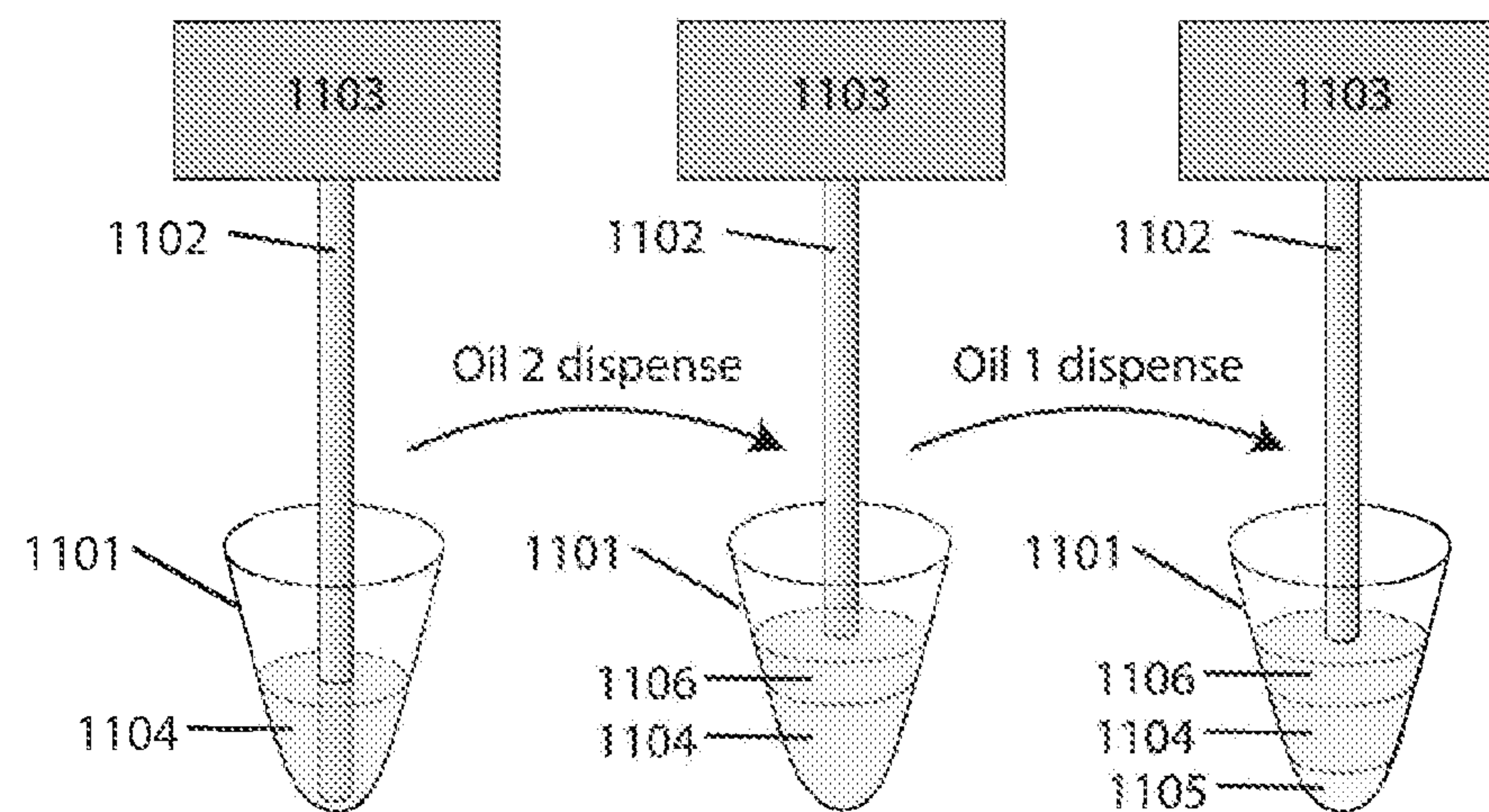


Figure 8

a**b****Figure 9**

a**b****Figure 10**

a**b****Figure 11**

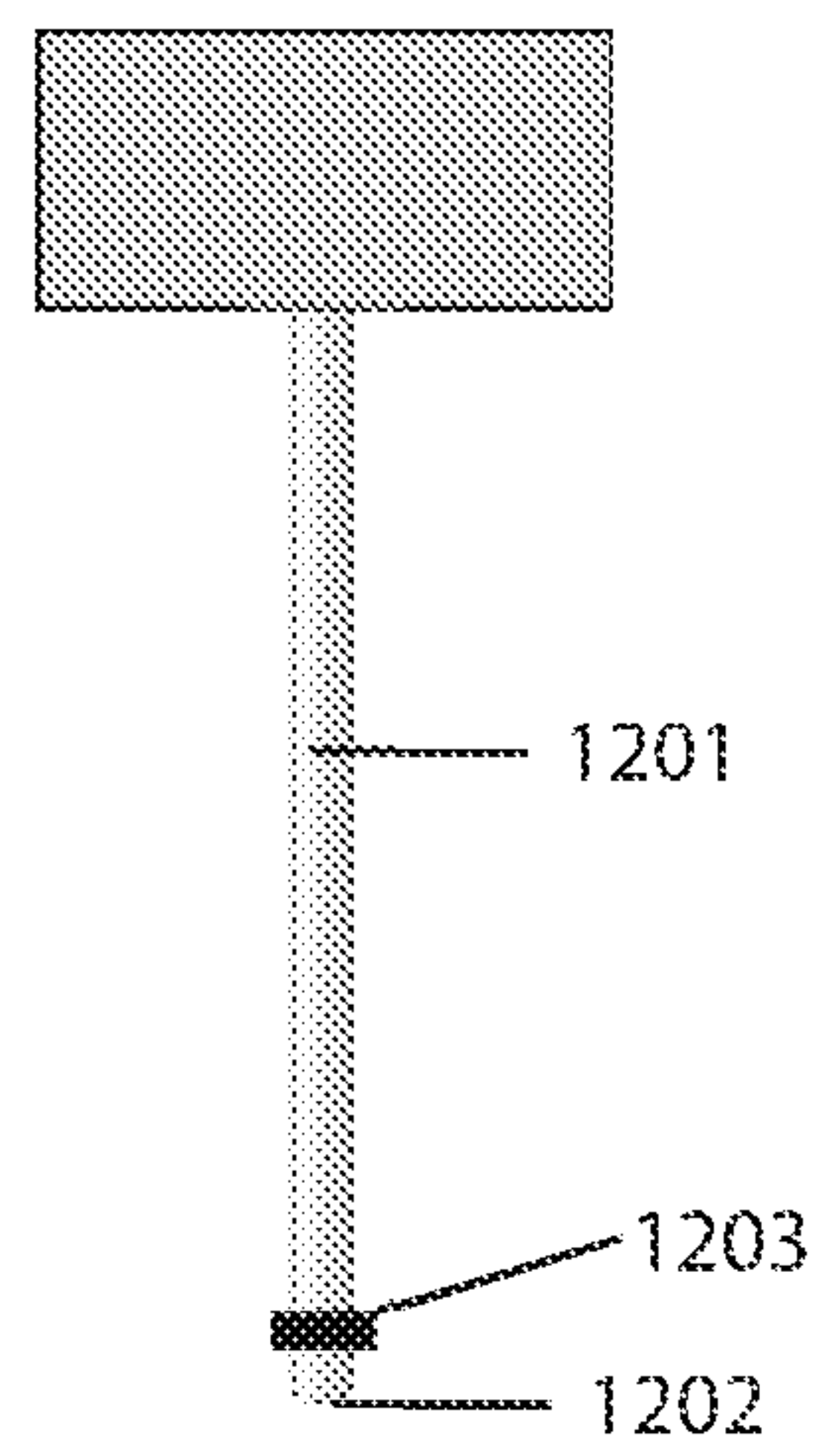
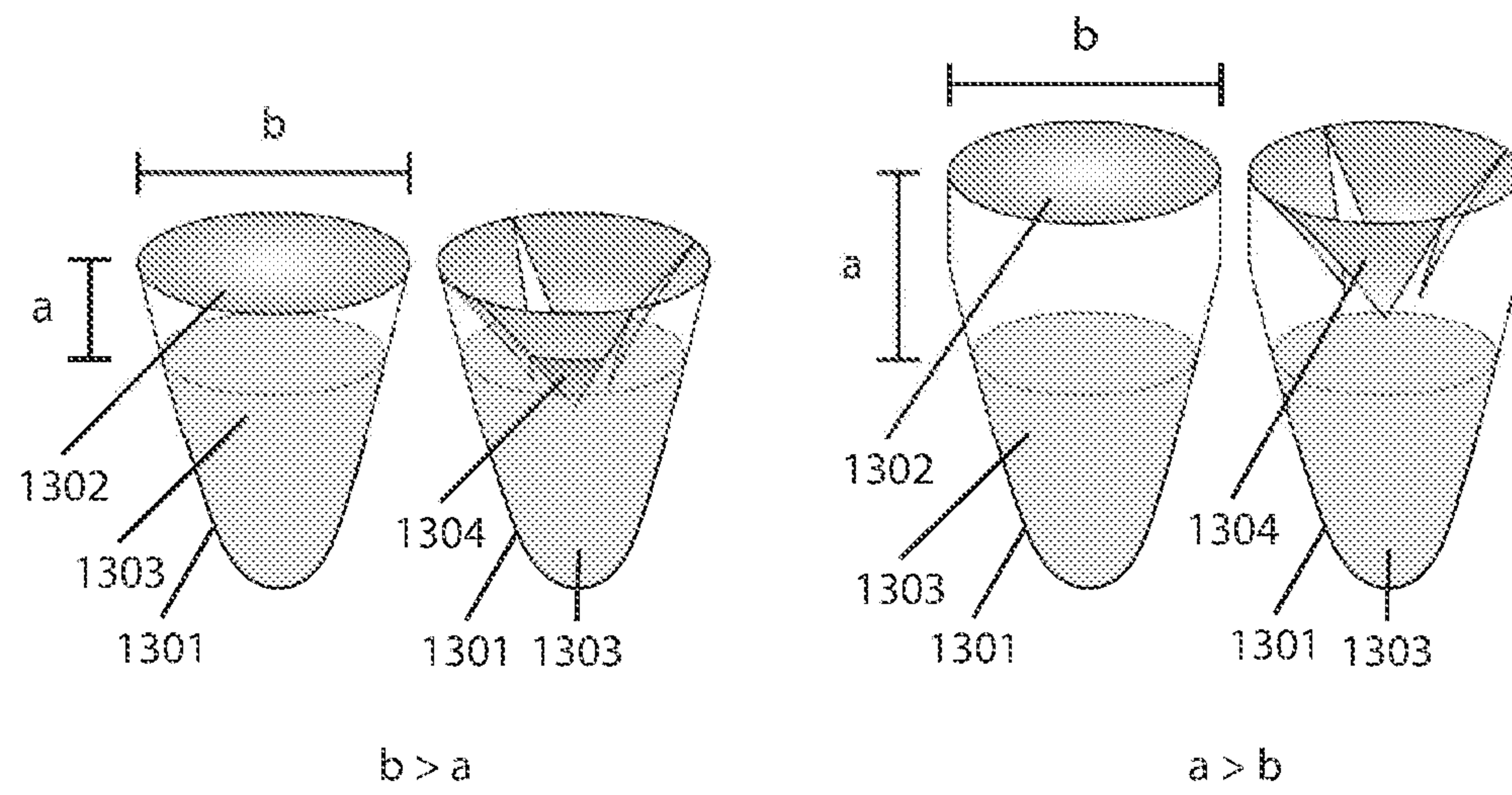
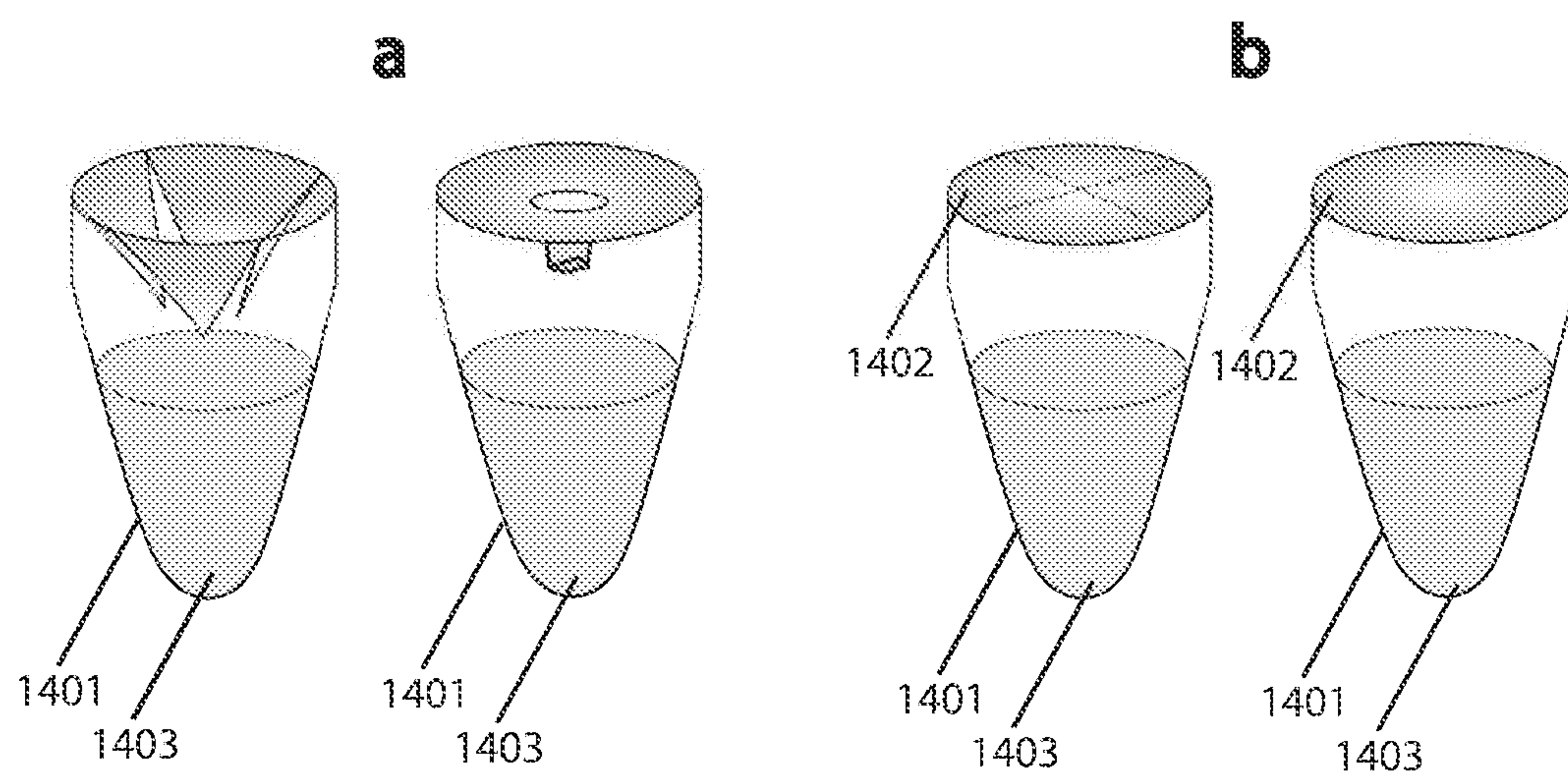
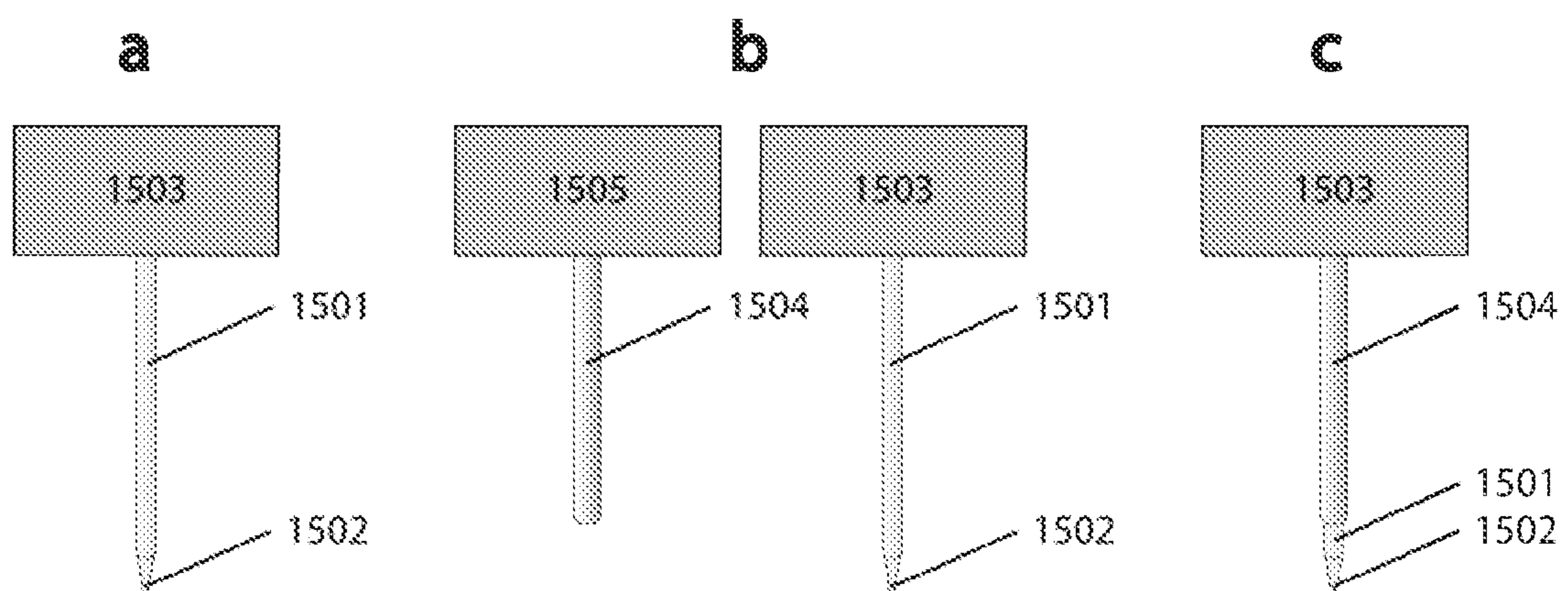
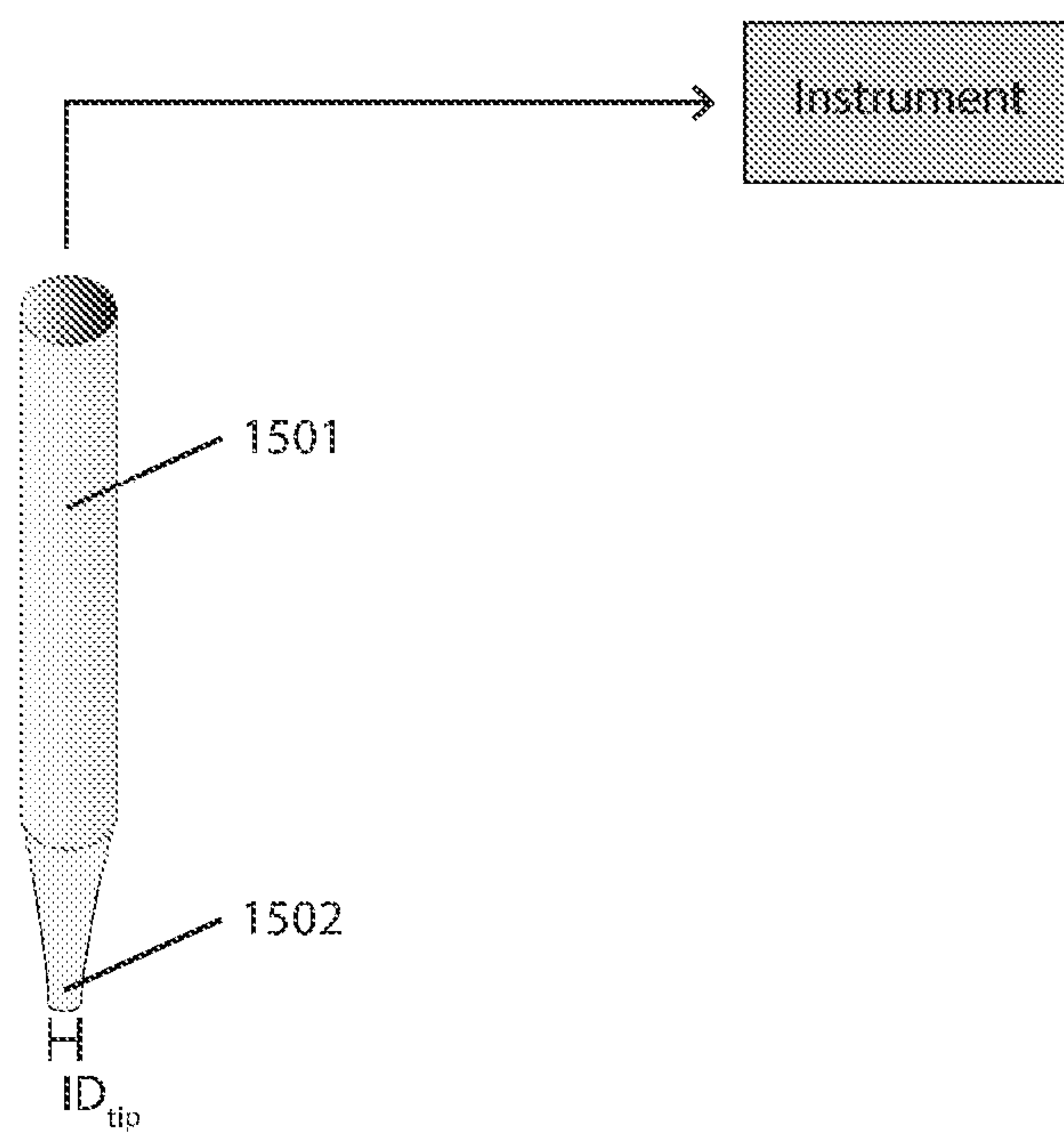


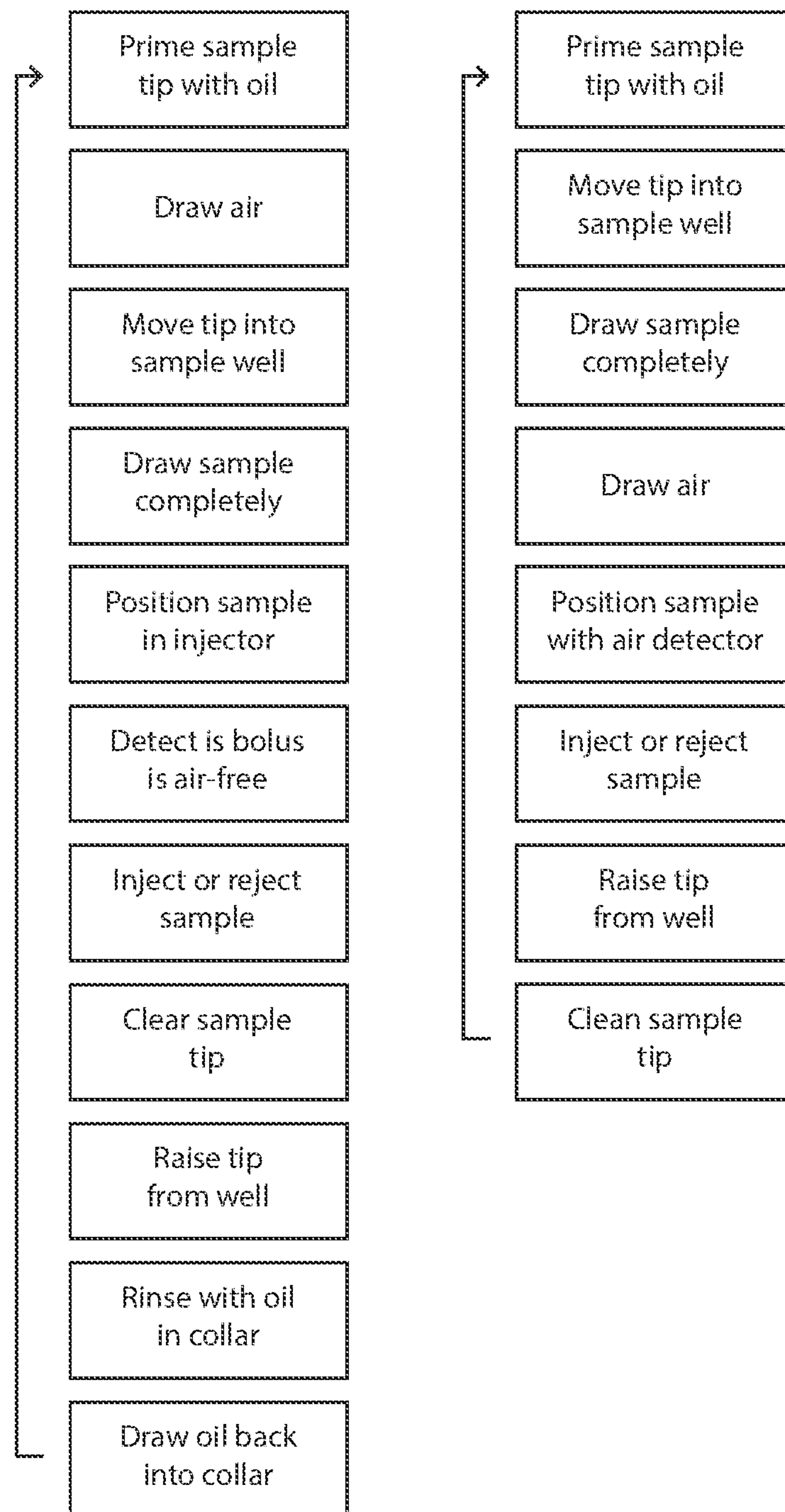
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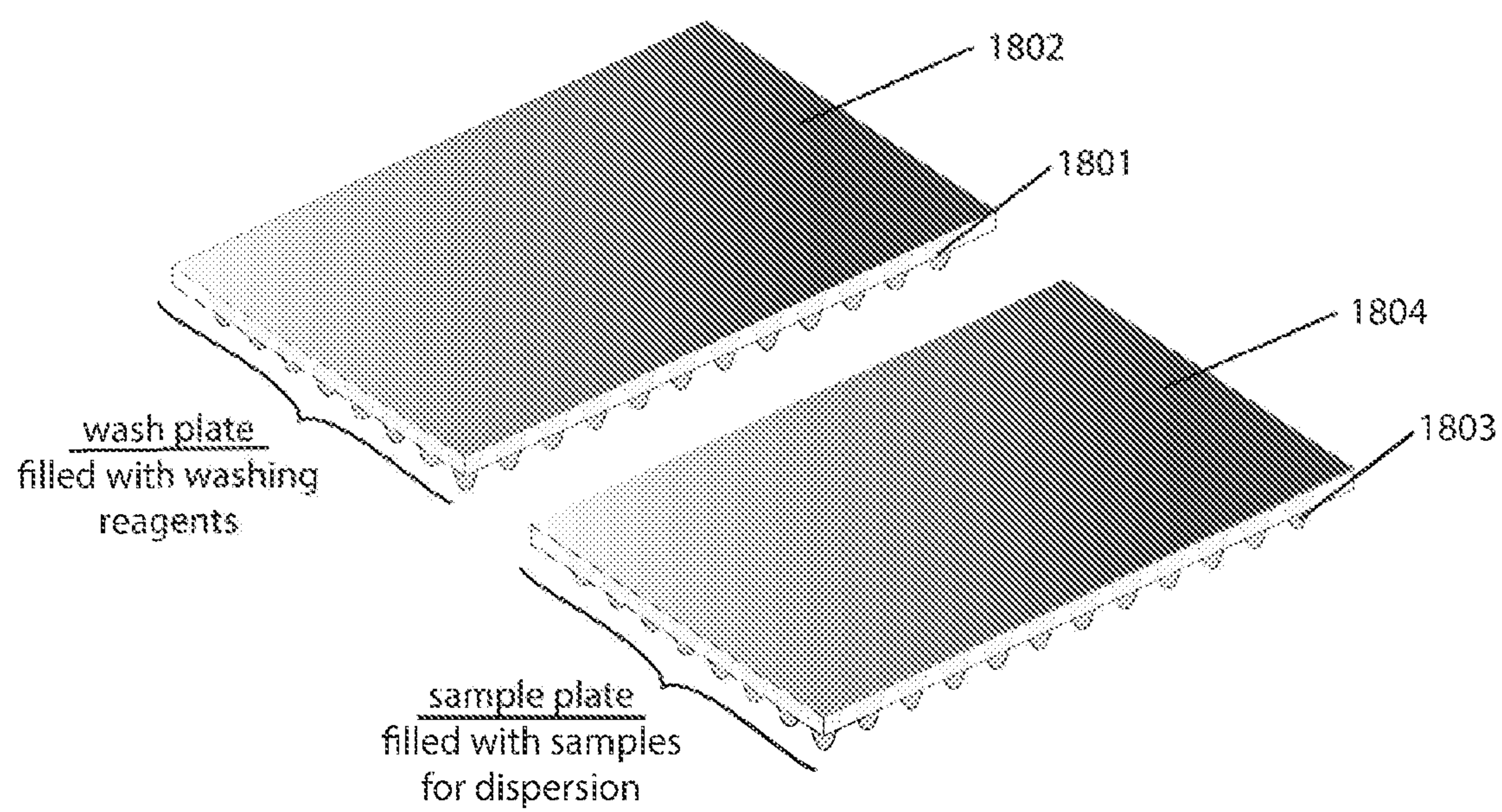
**Figure 13**

**Figure 14**

**Figure 15**

**Figure 16**

**Figure 17**

**Figure 18**

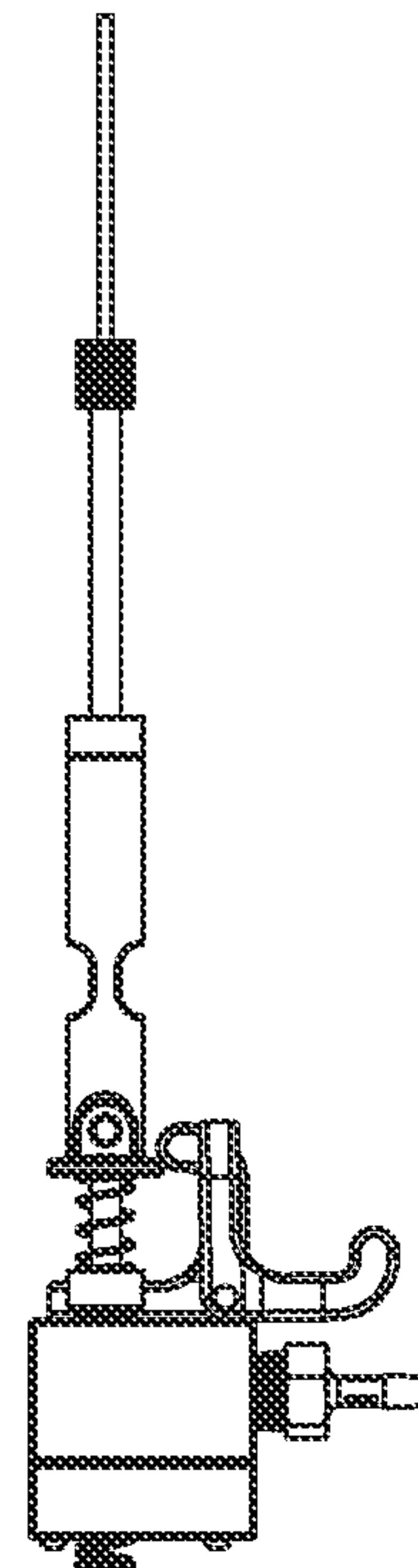
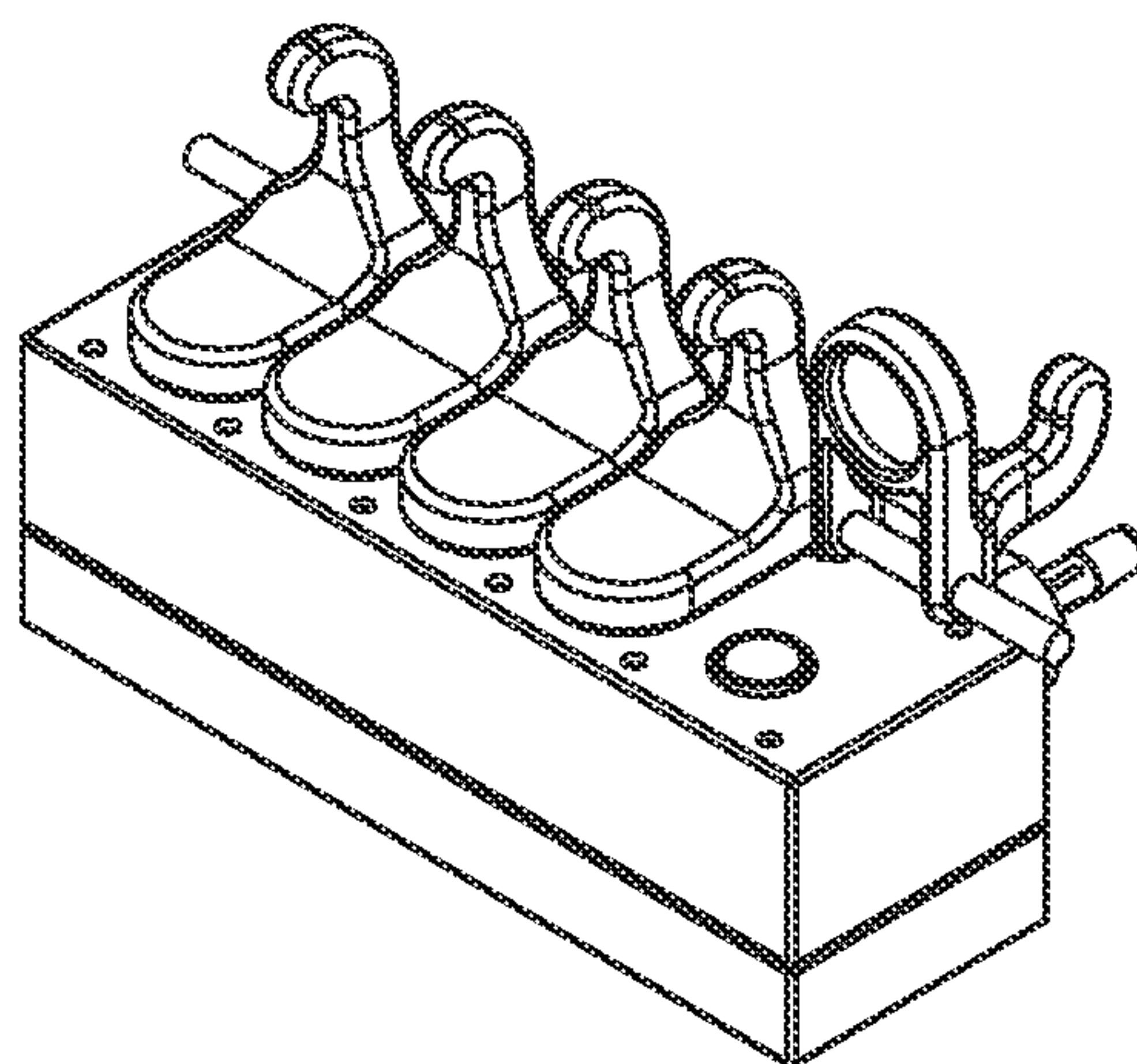


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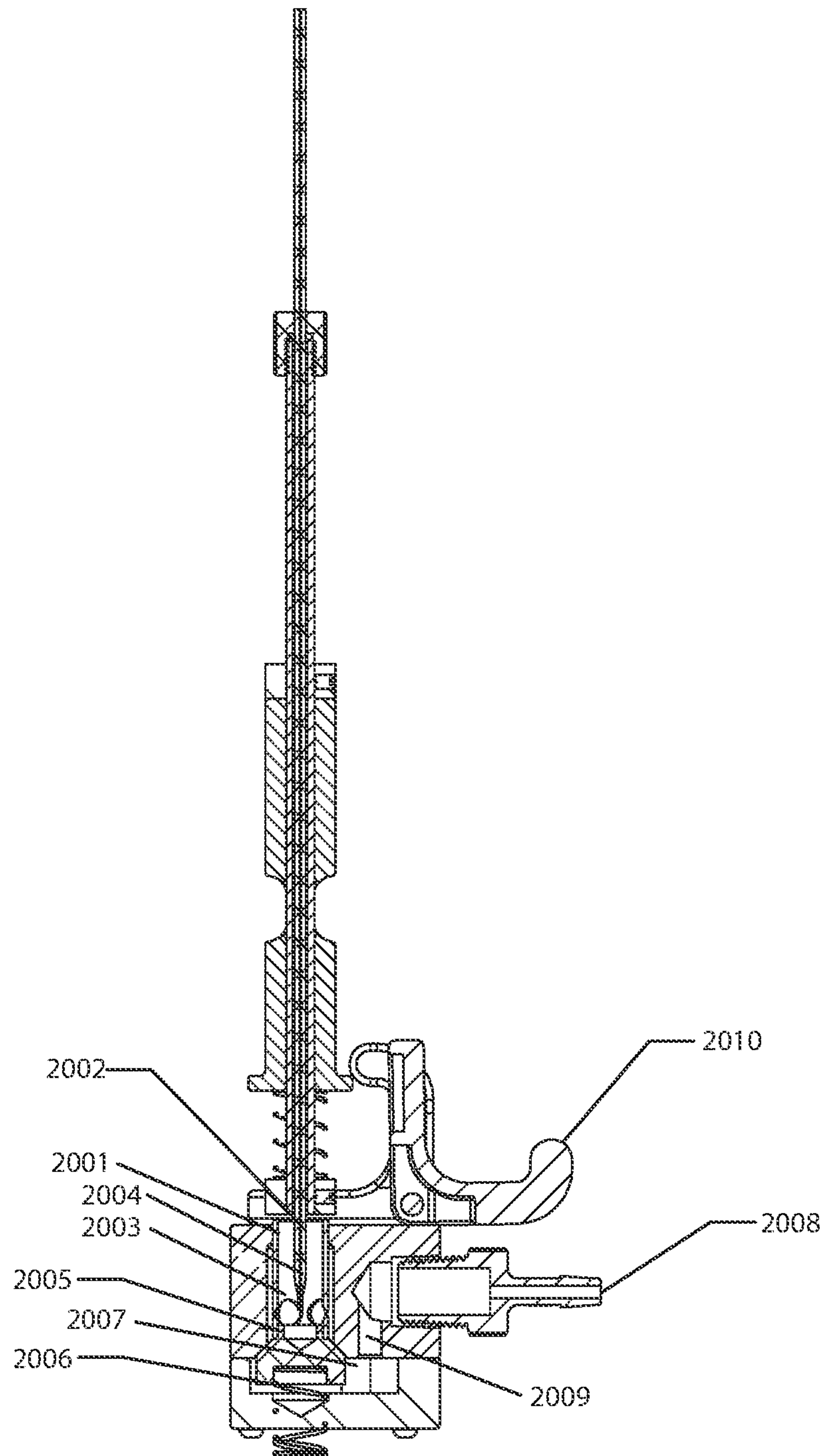


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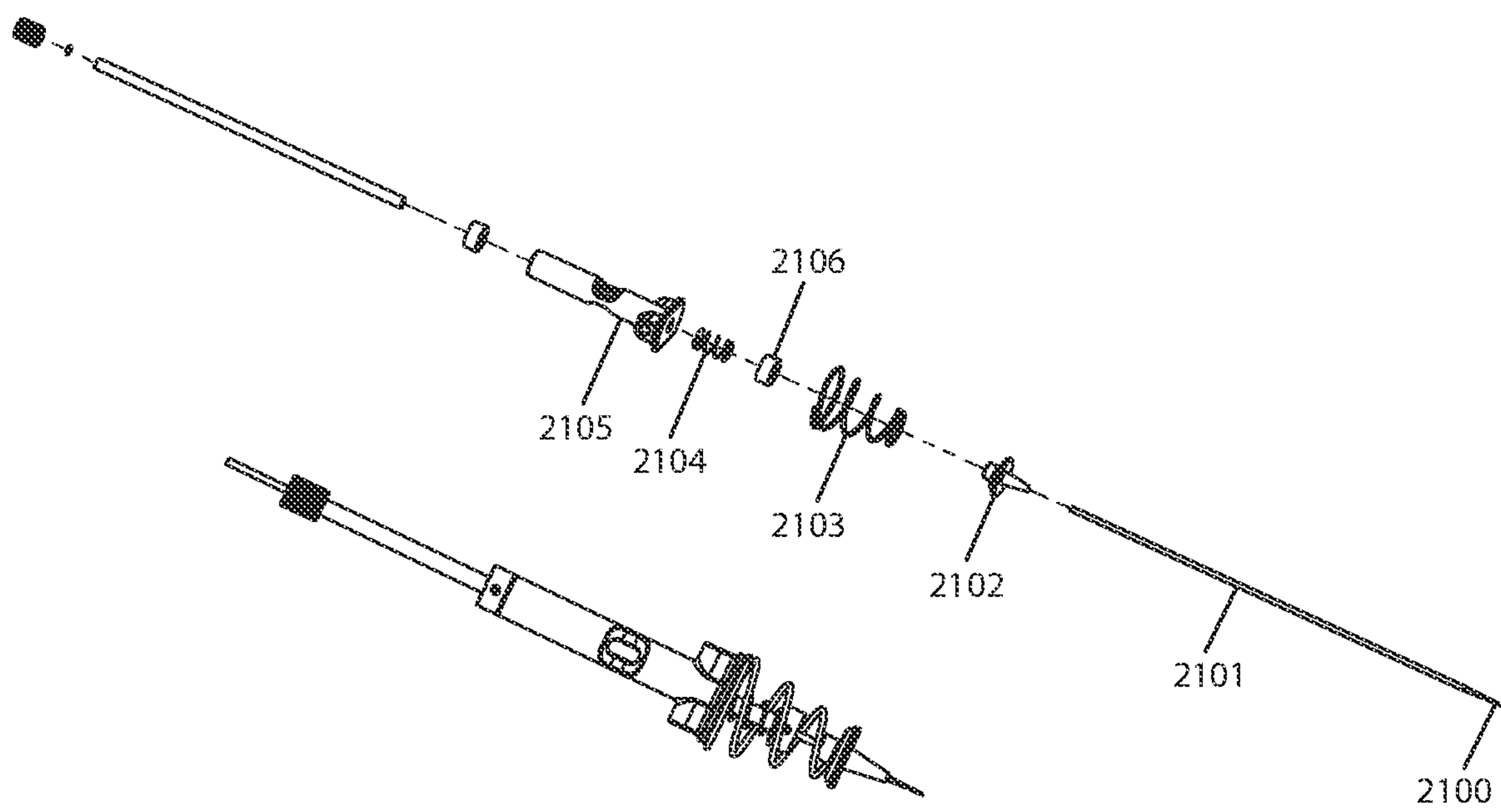
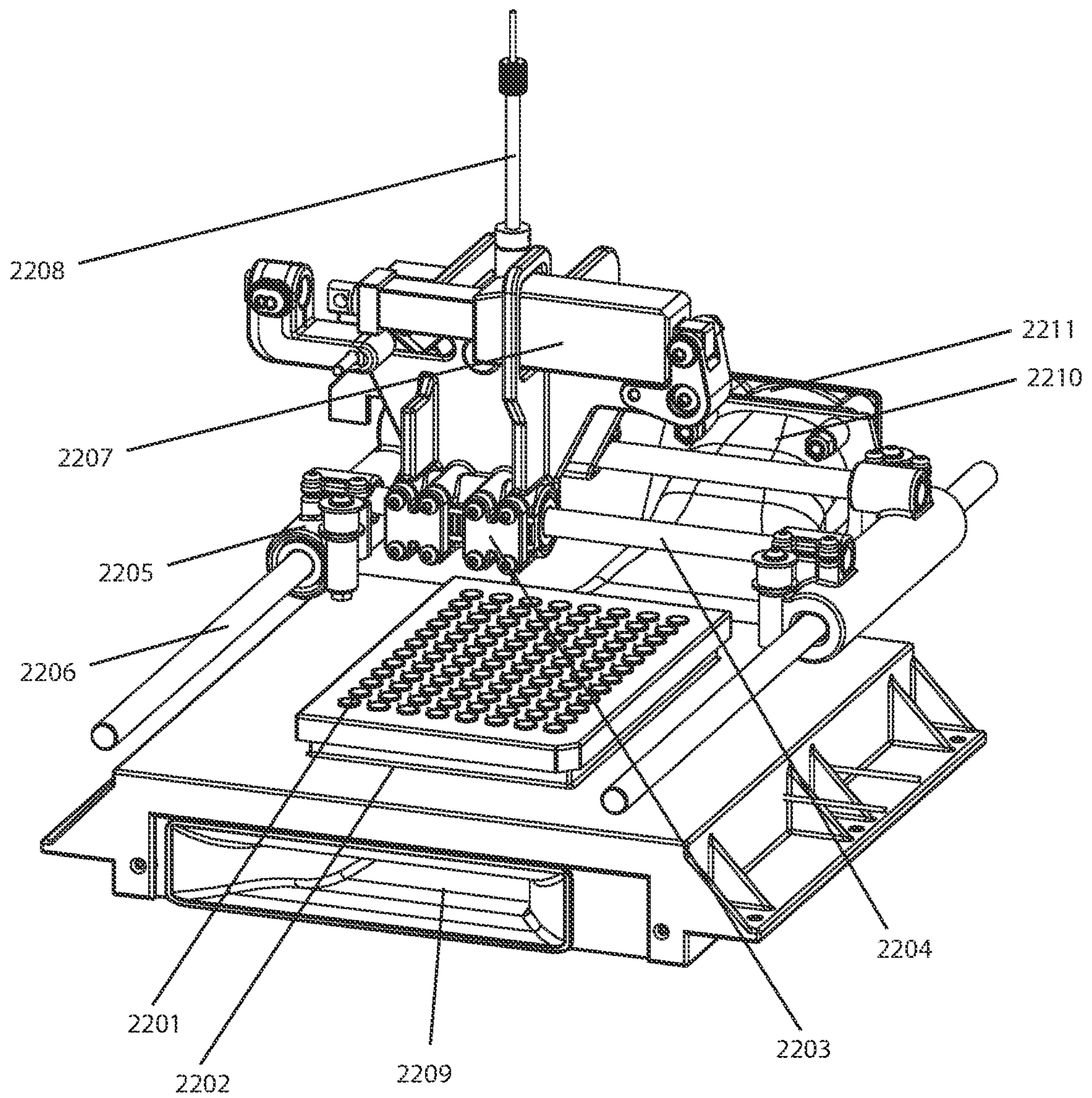
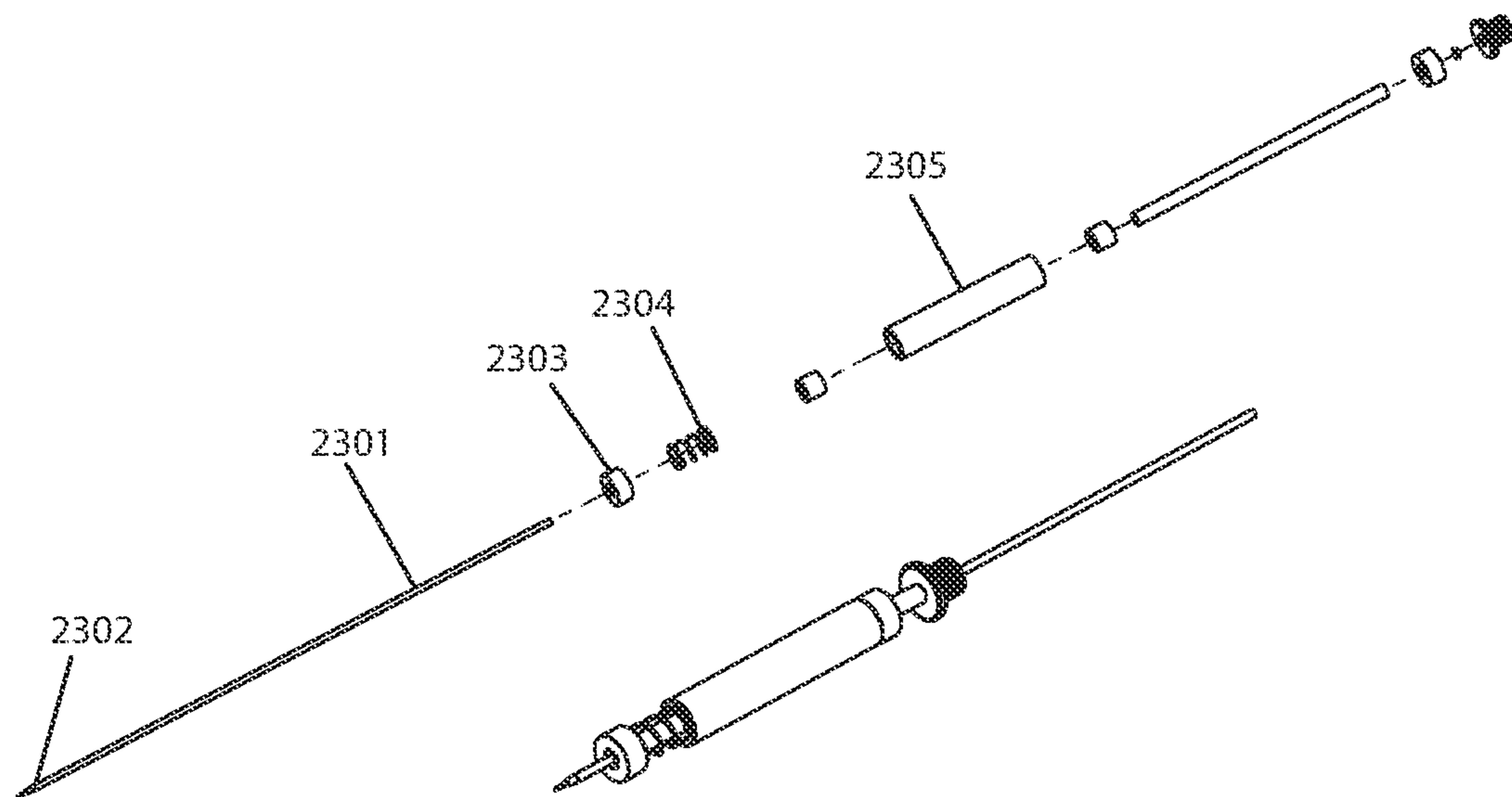
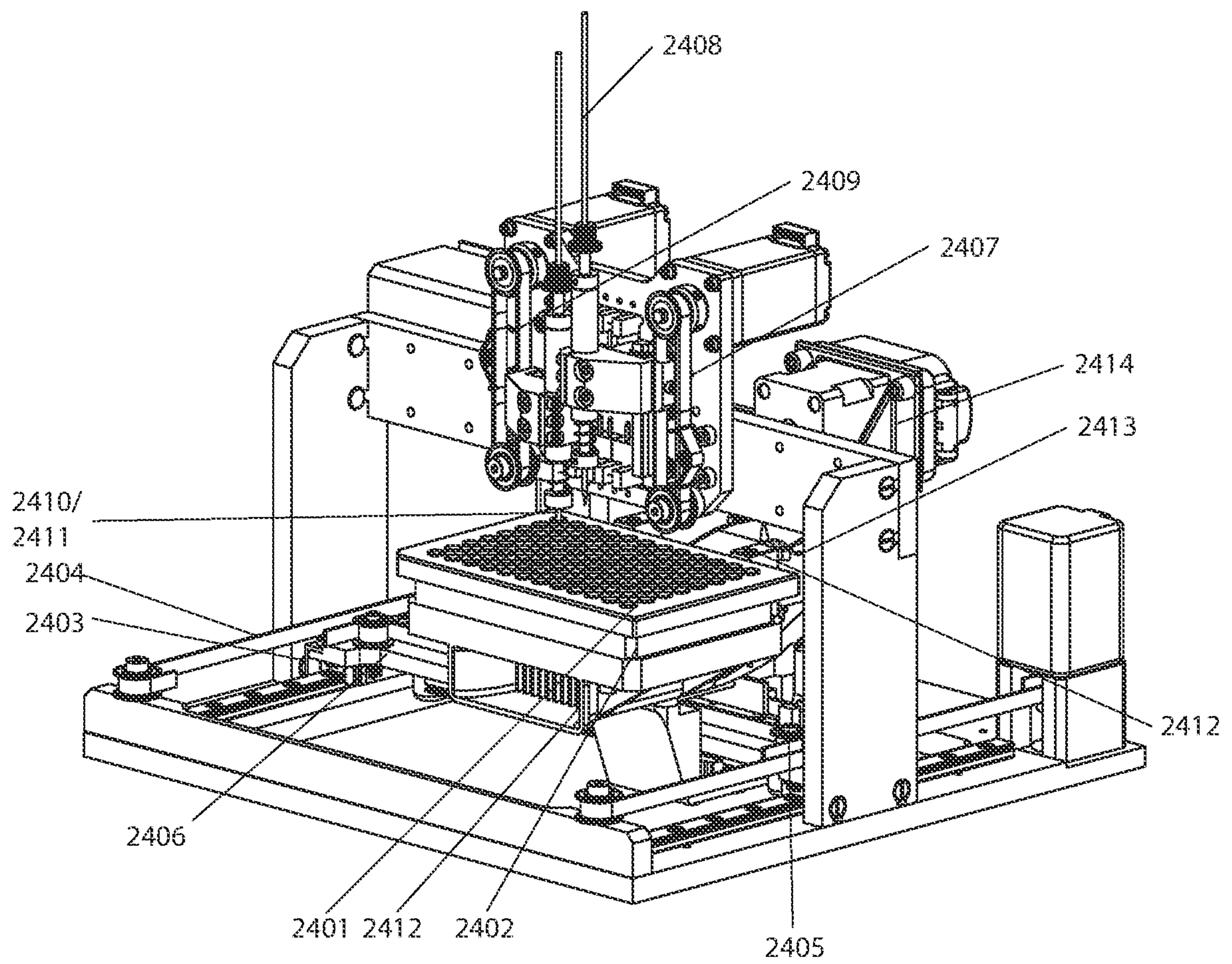


Figure 21

**Figure 22**

**Figure 23**

**Figure 24**

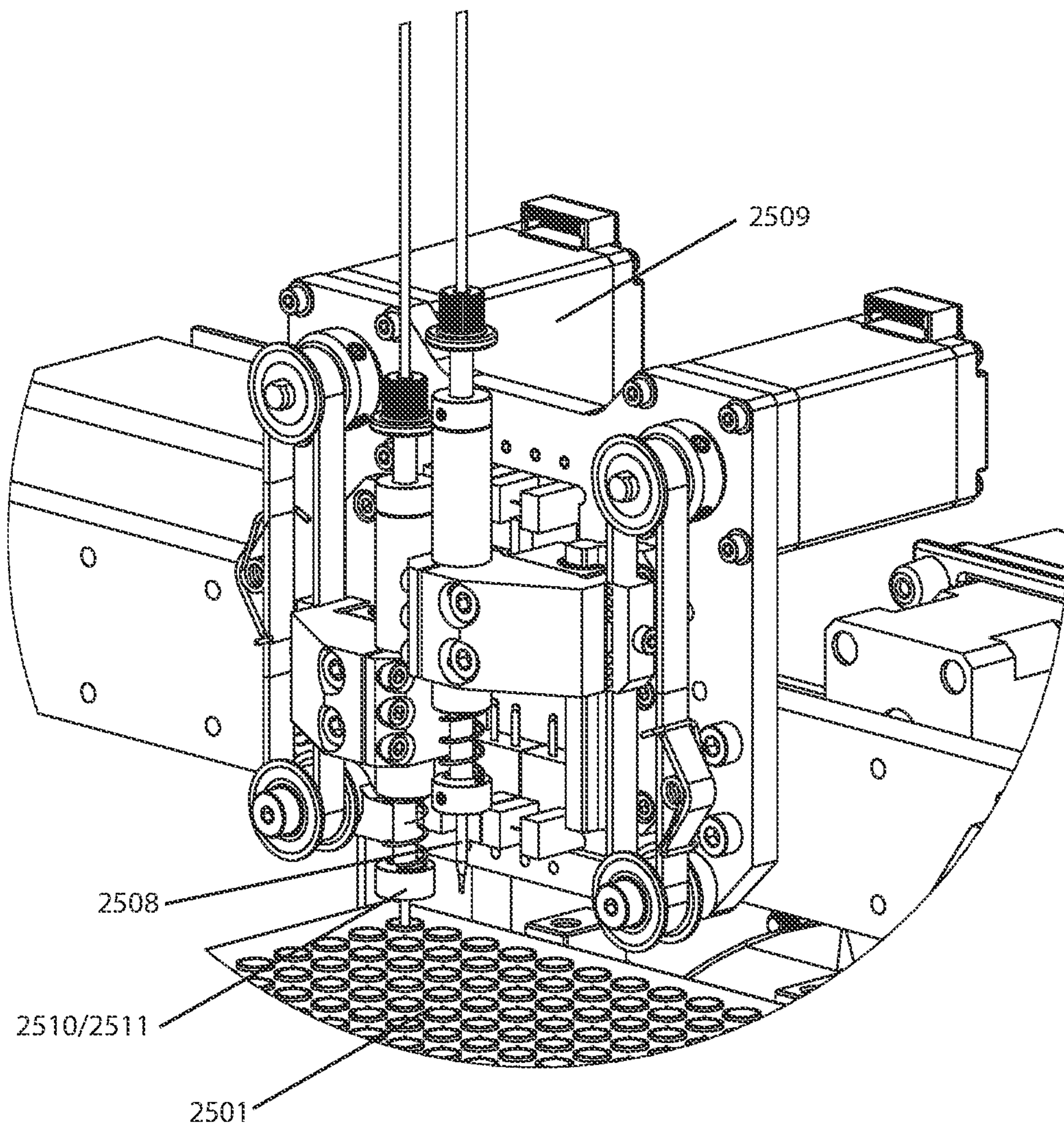


Figure 25

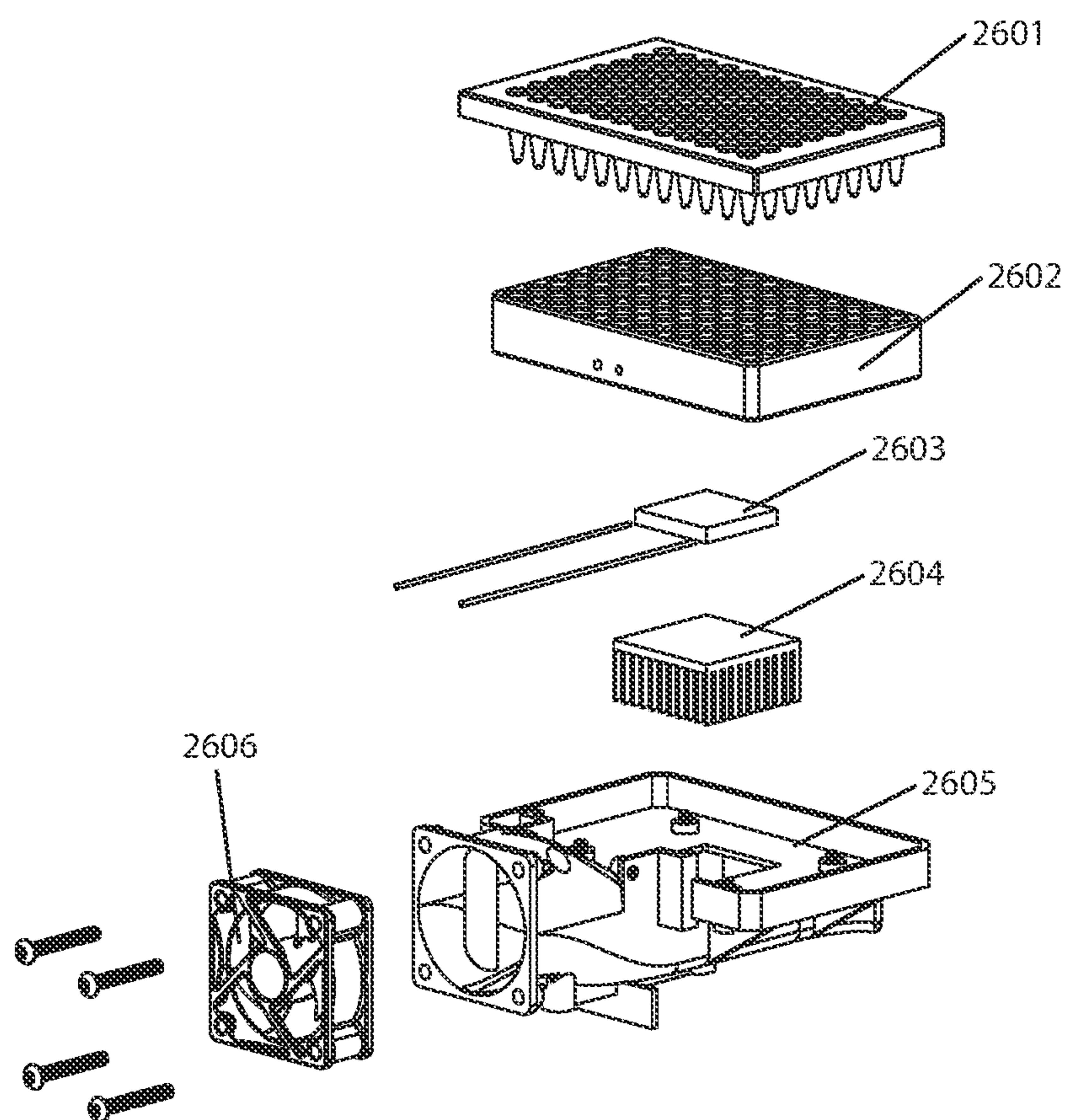
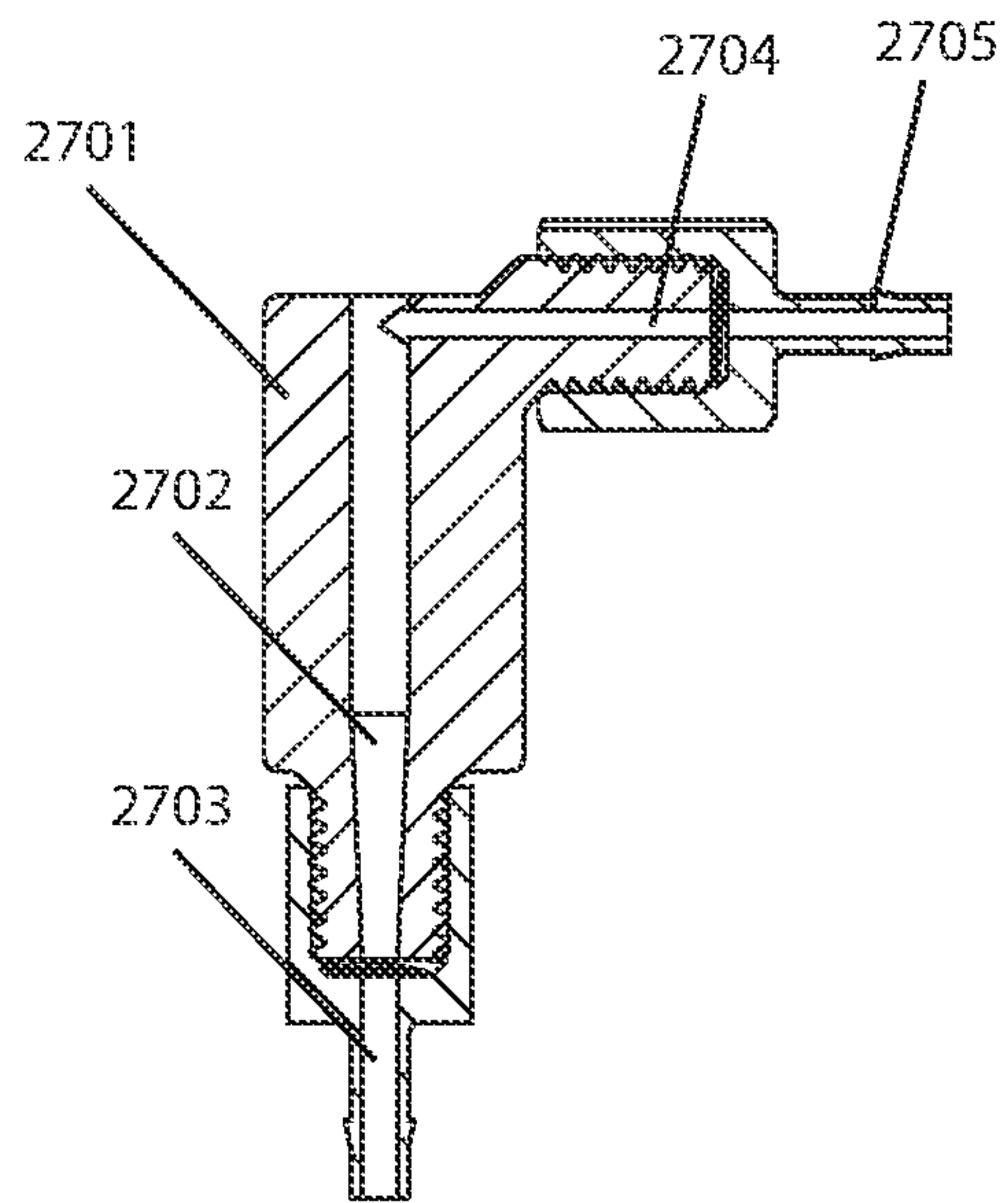


Figure 26

a



b

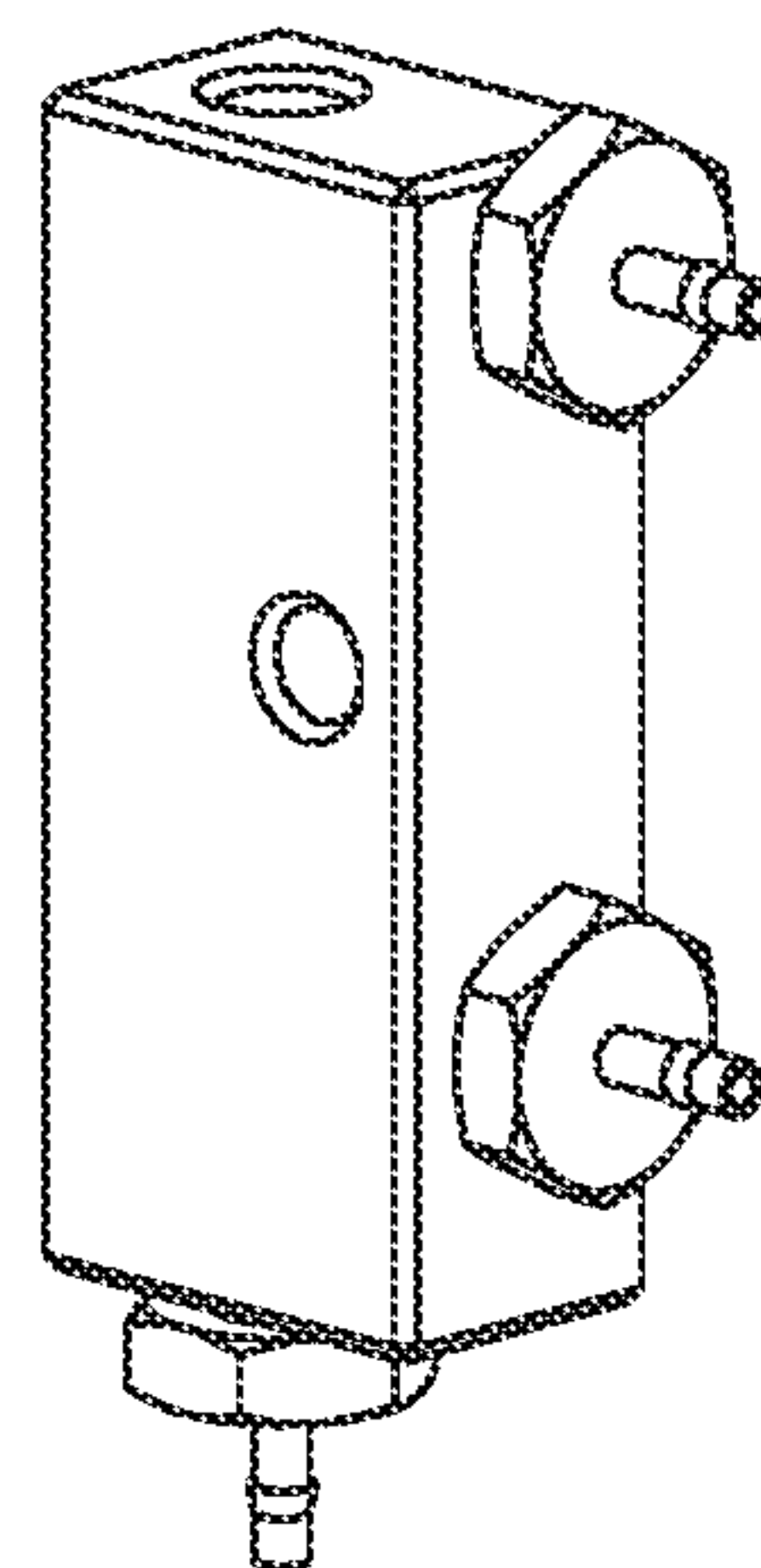
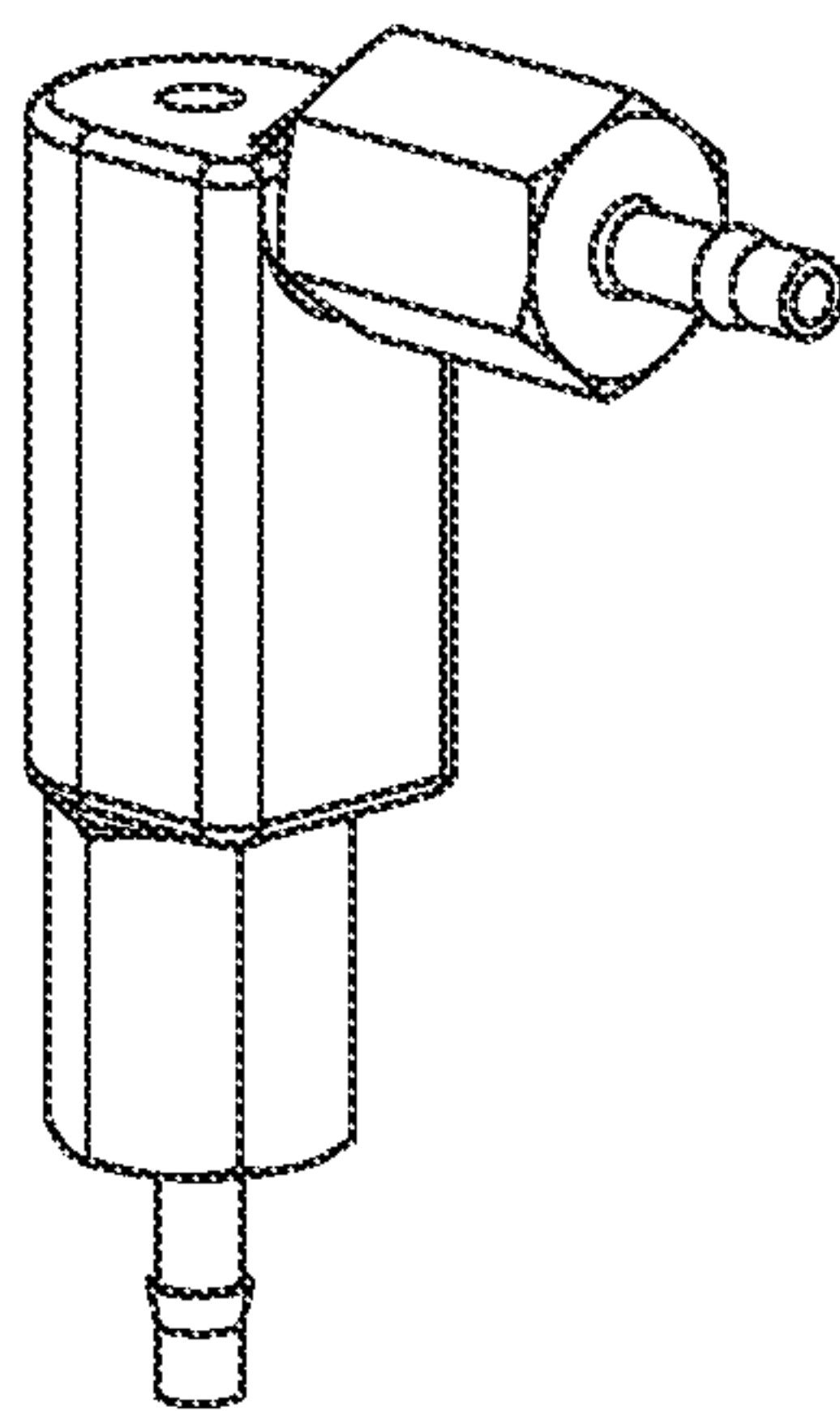
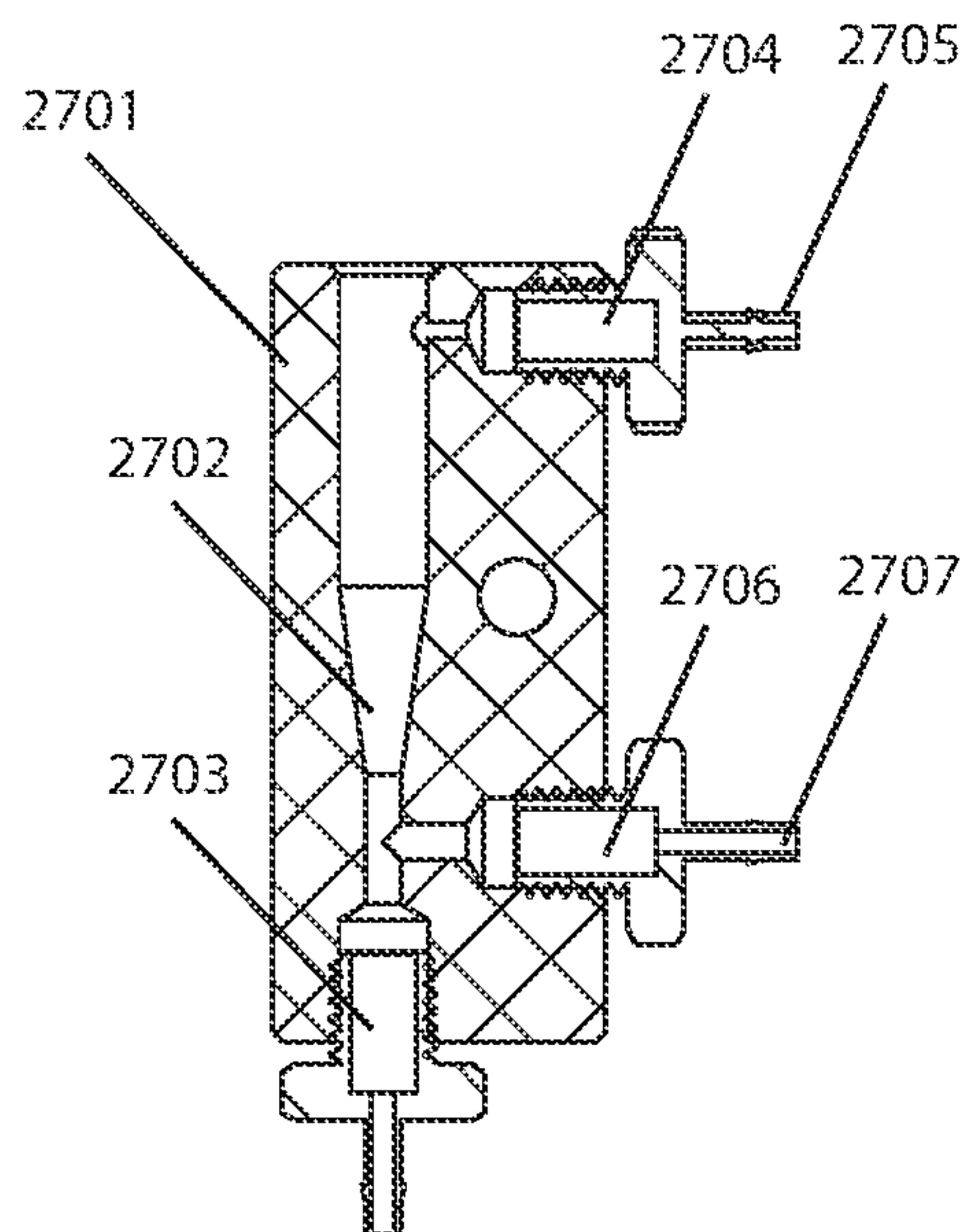
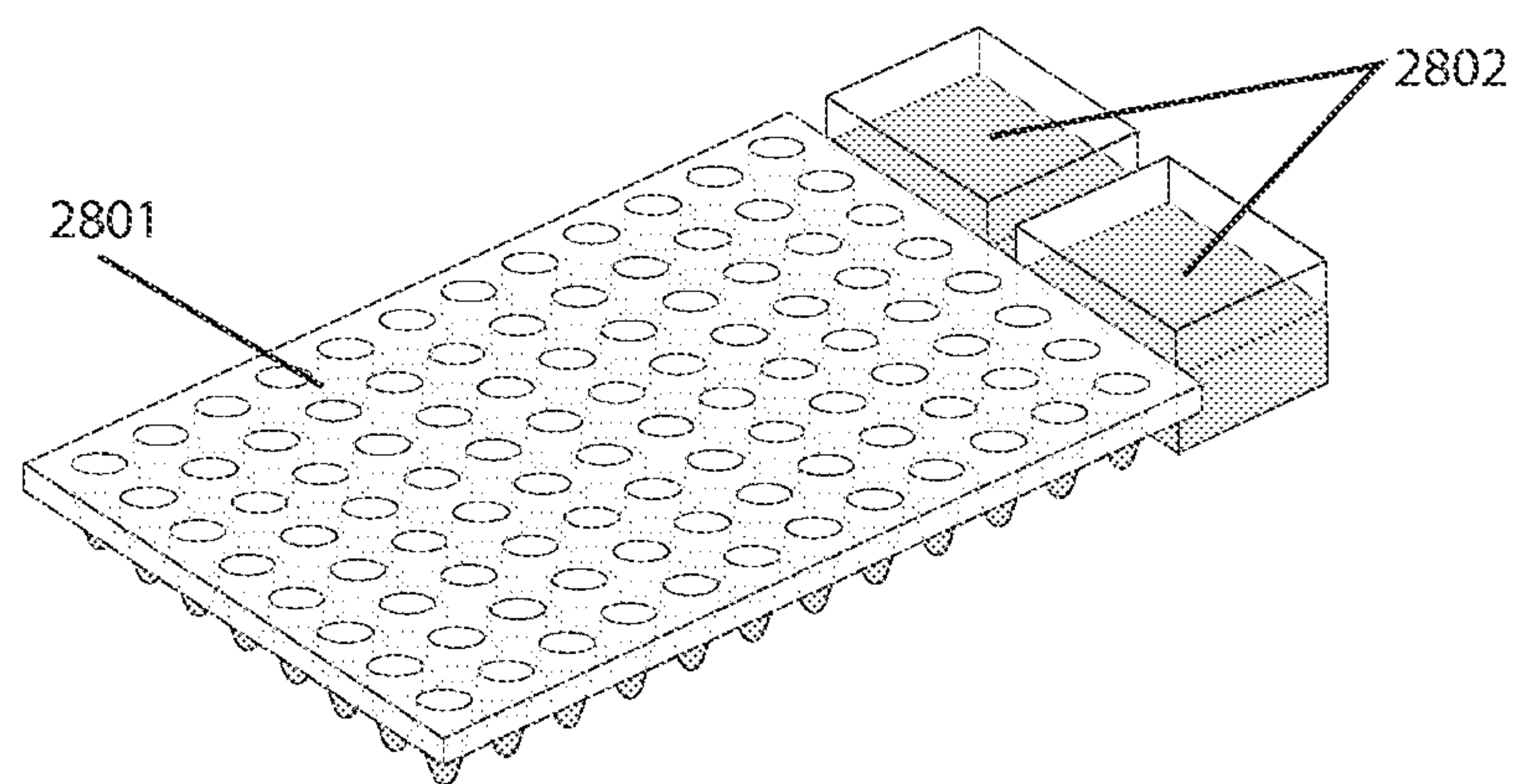


Figure 27

**Figure 28**

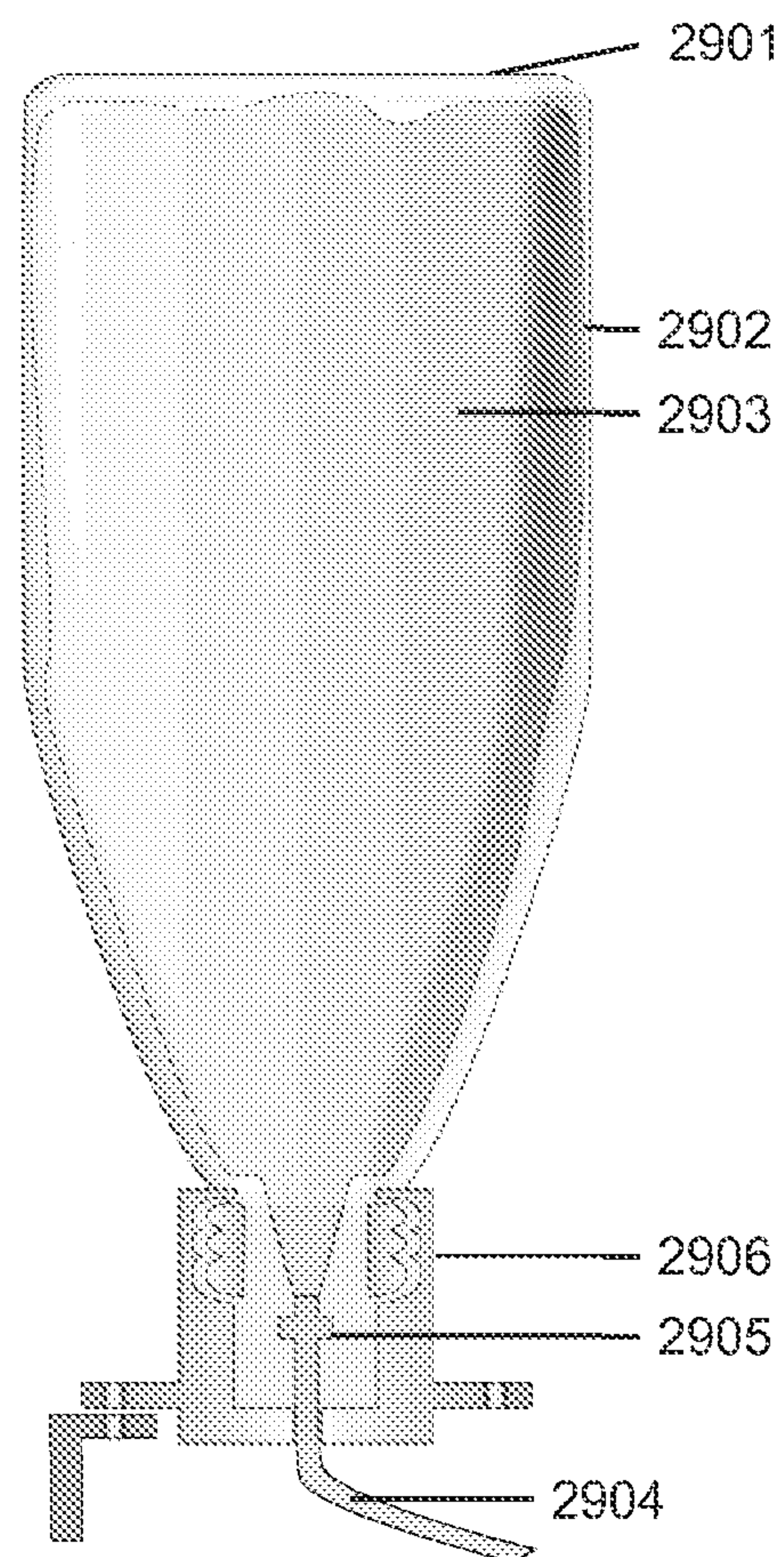
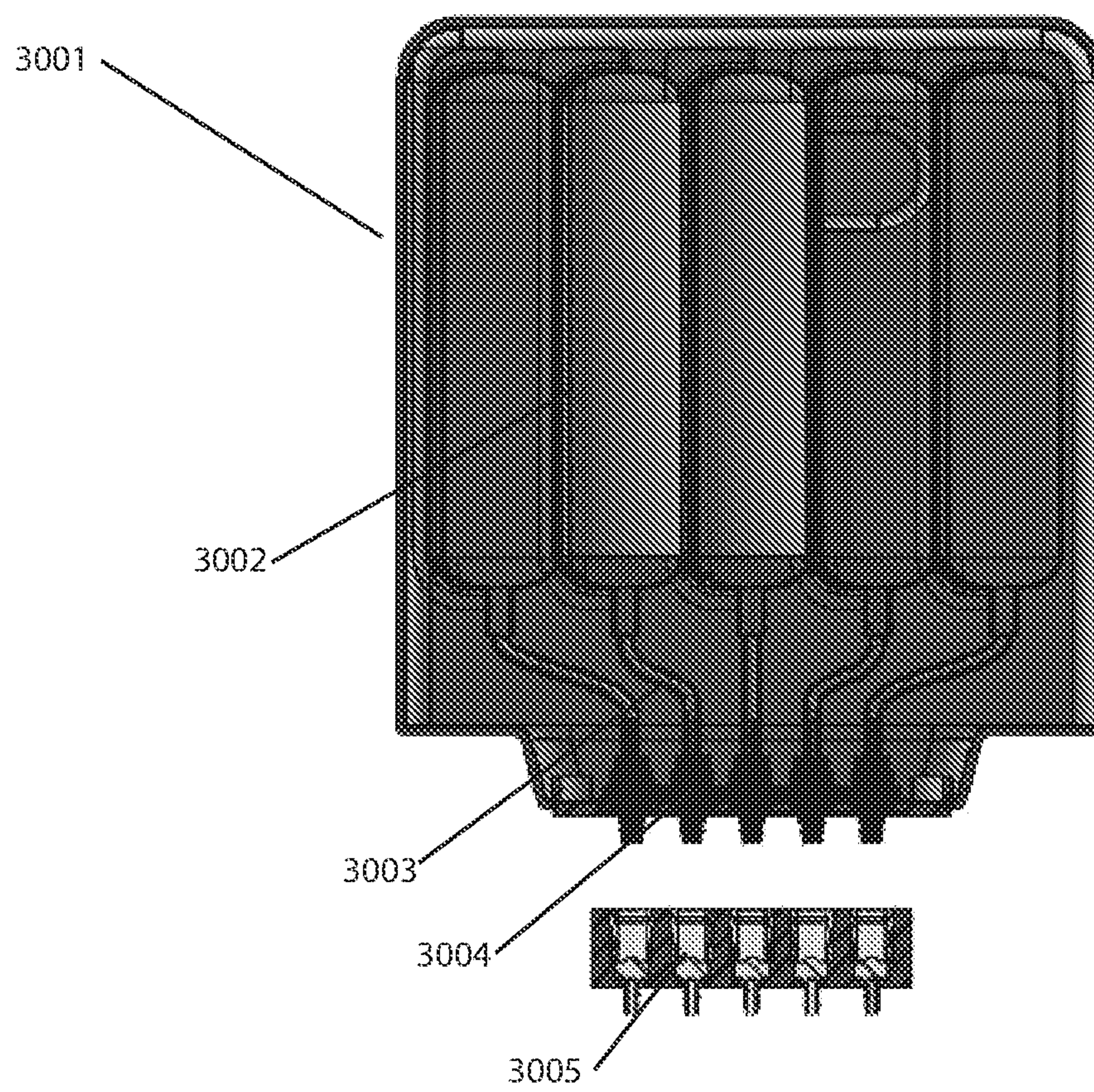


Figure 29

**Figure 30**

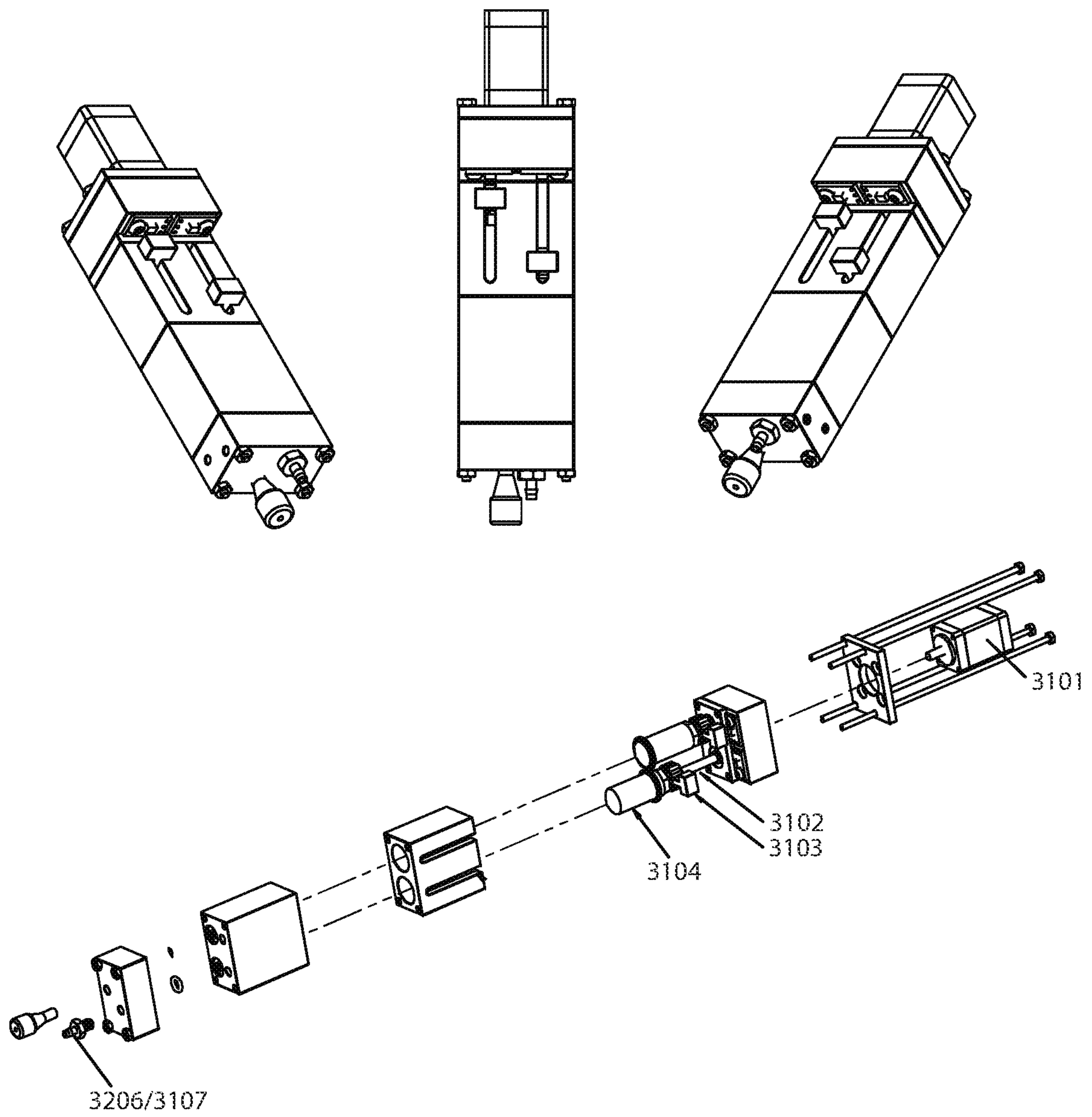


Figure 31

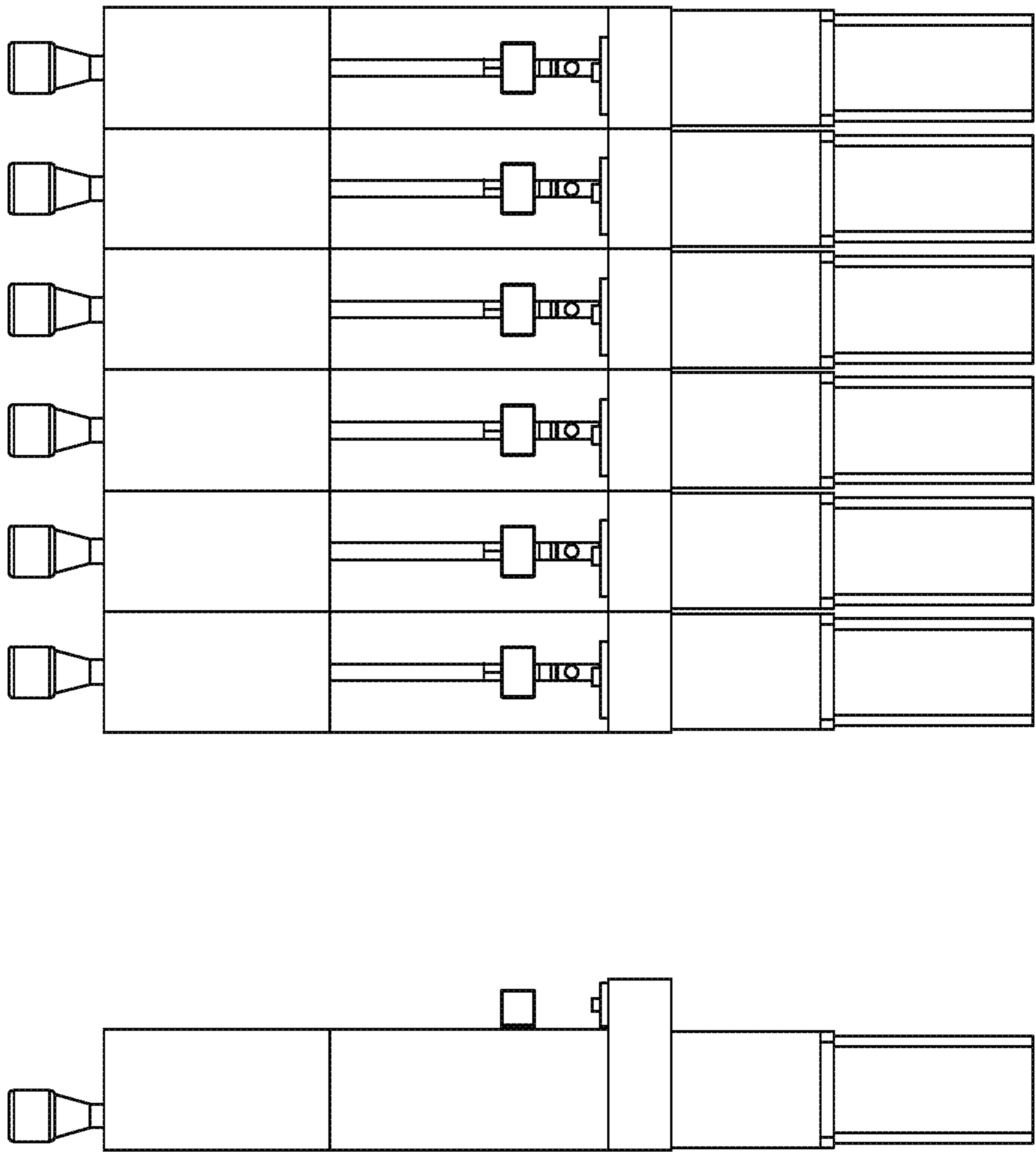


Figure 32

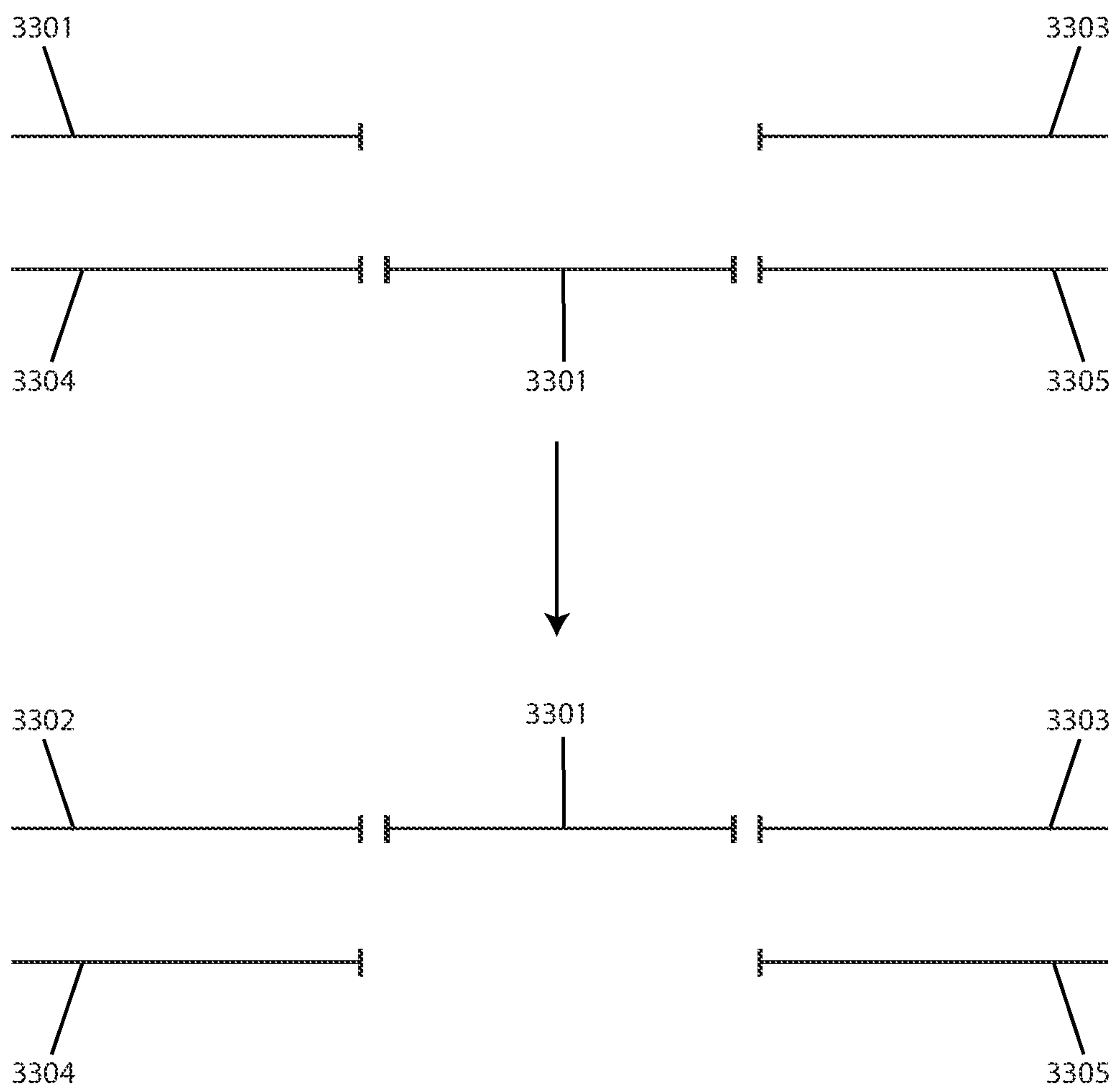


Figure 33

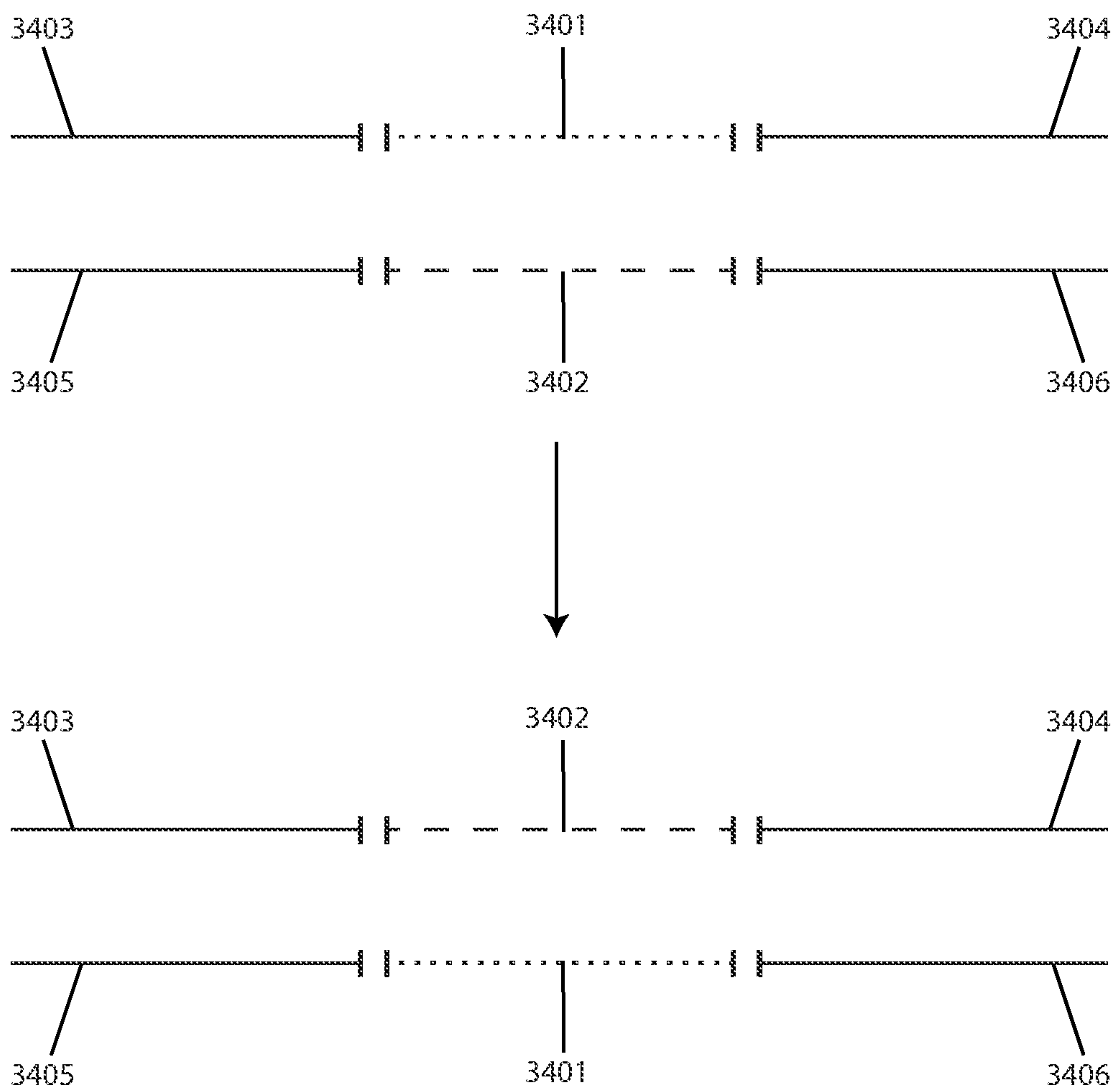


Figure 34

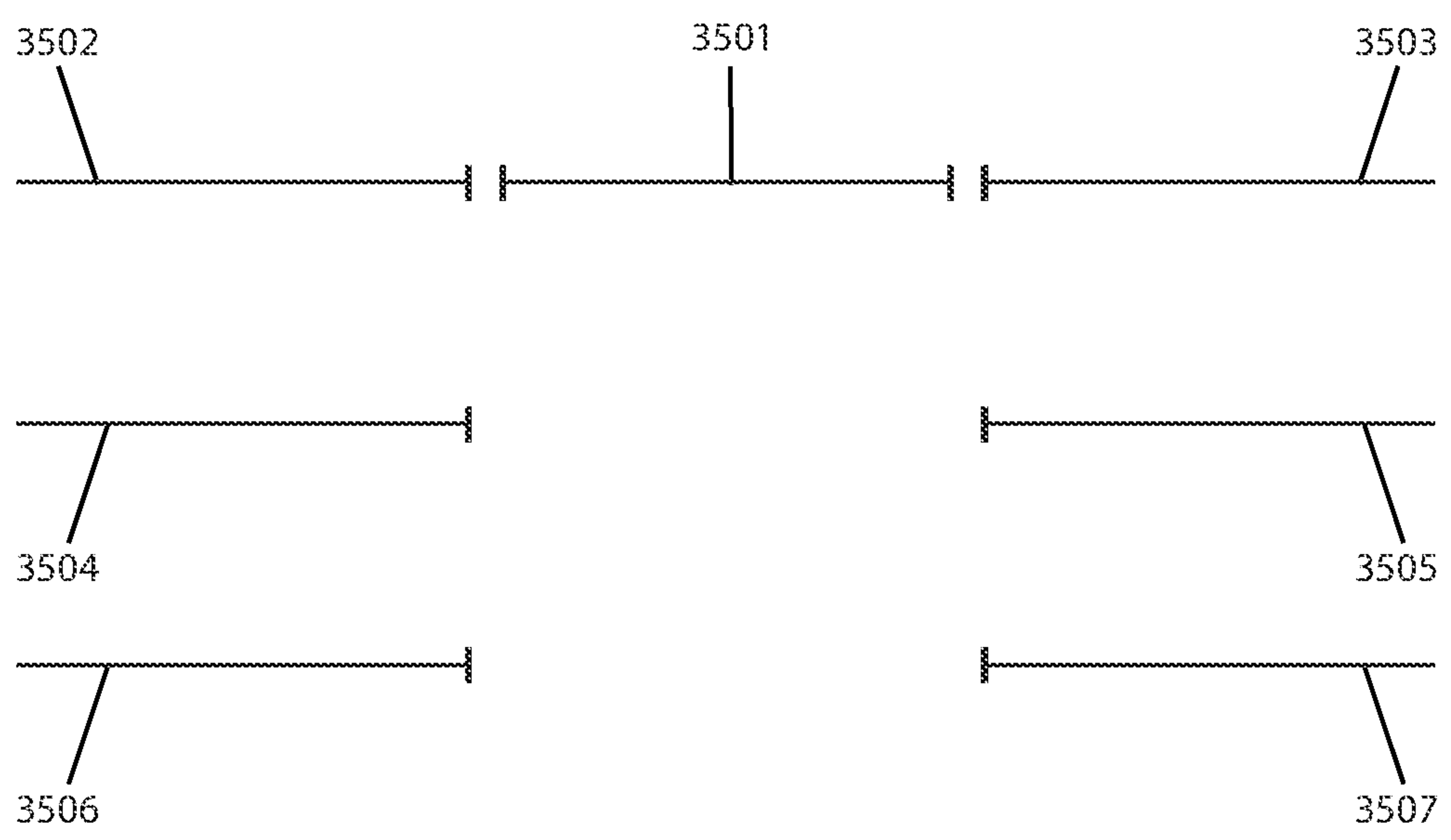
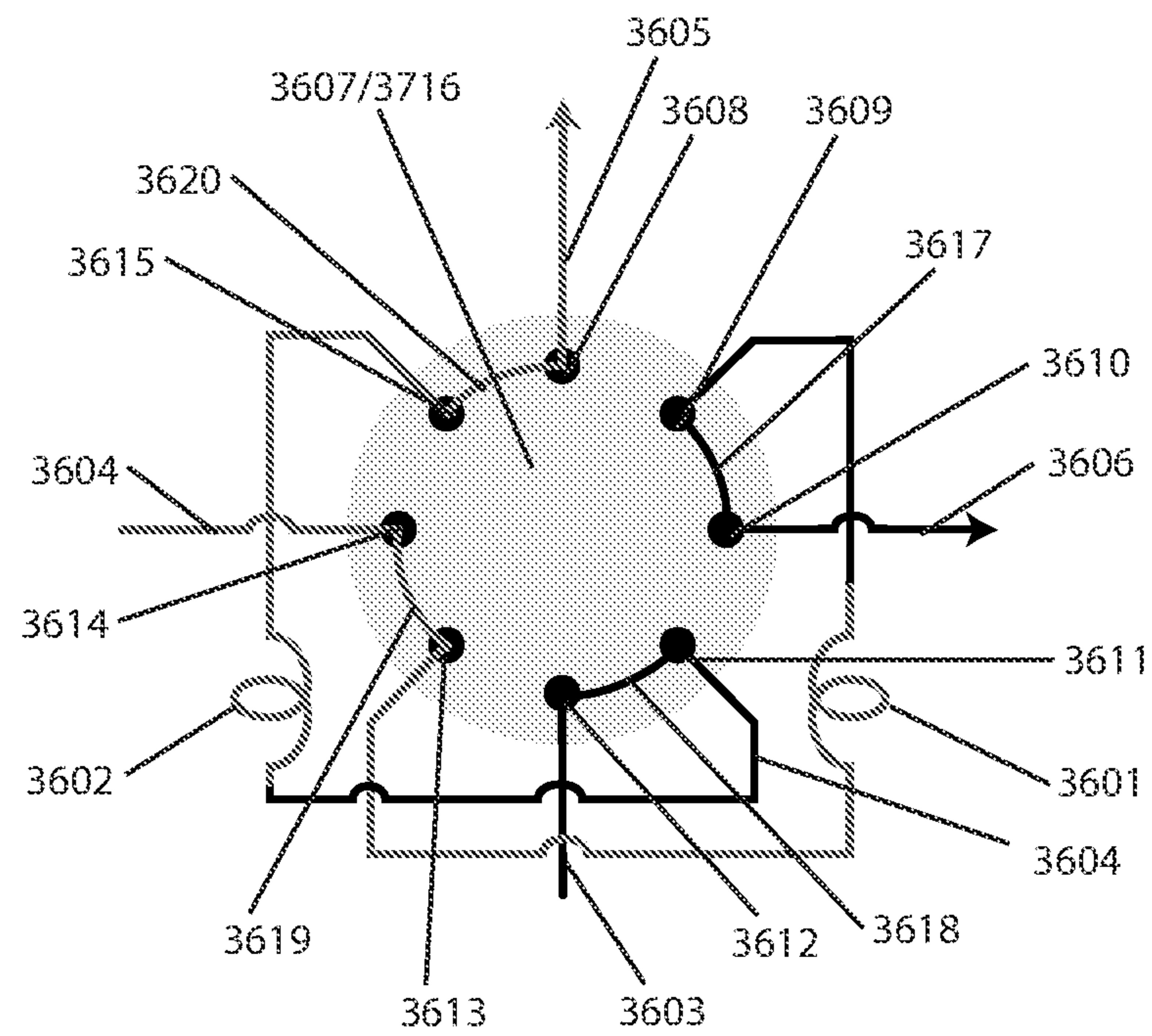
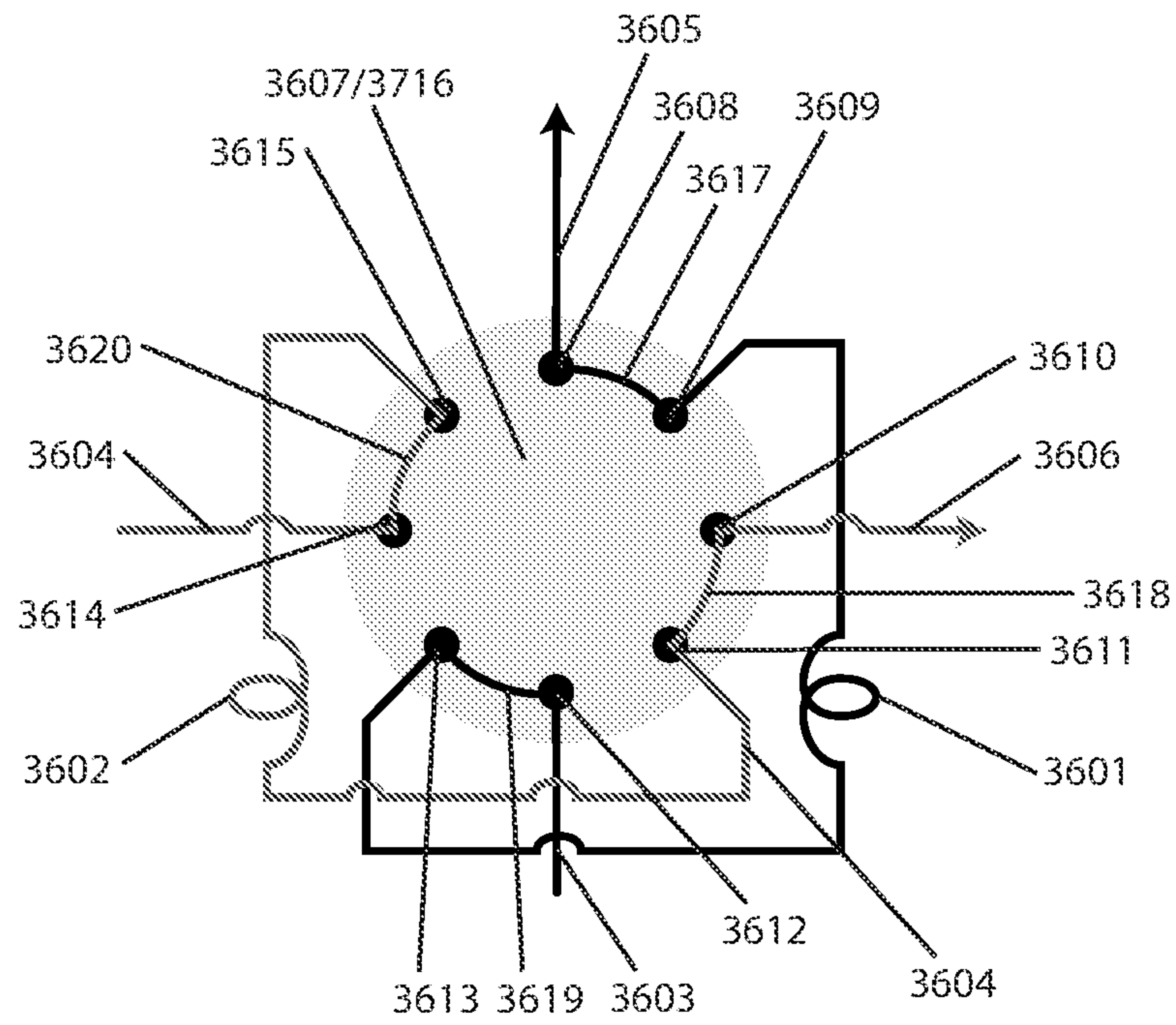
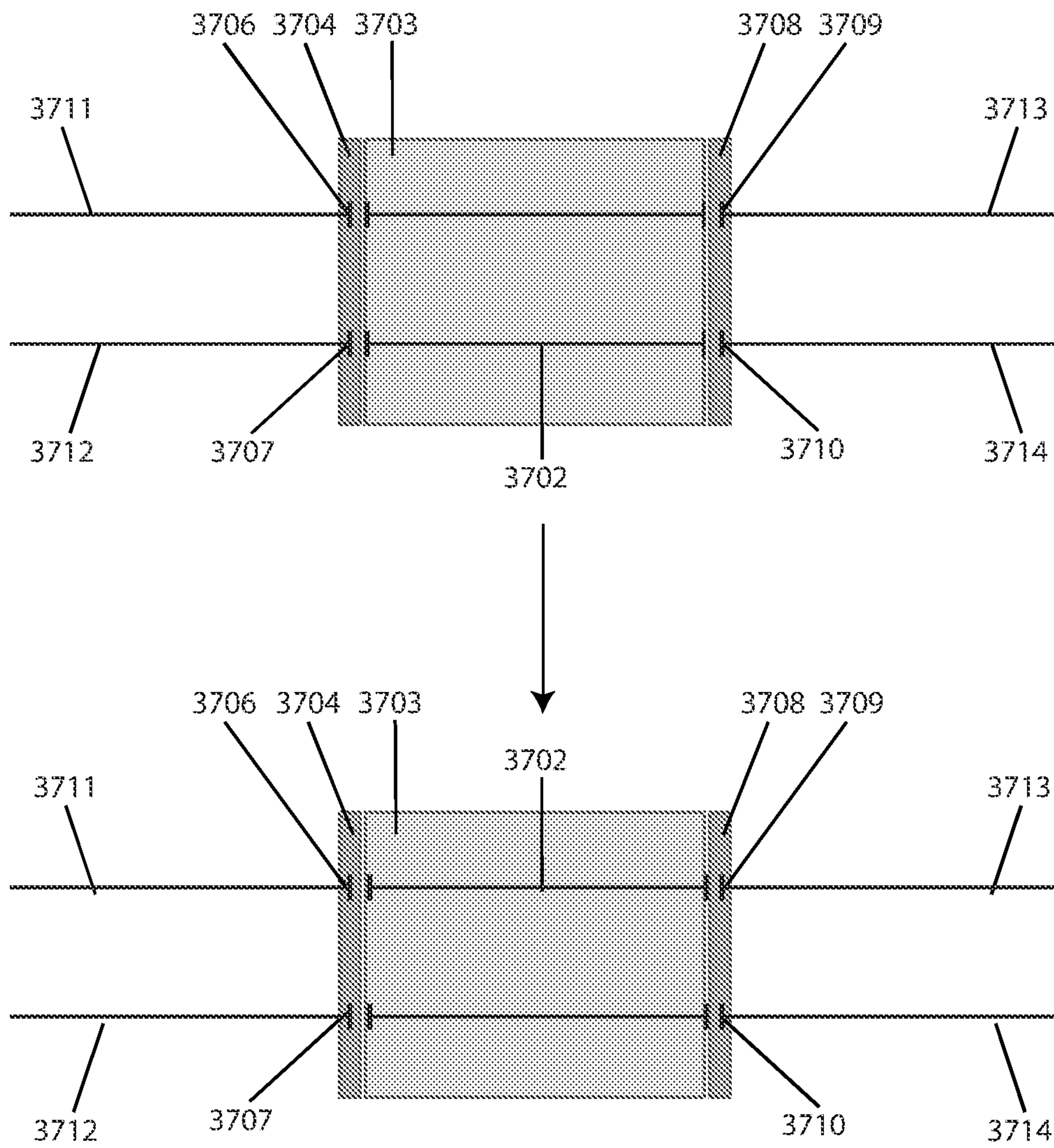
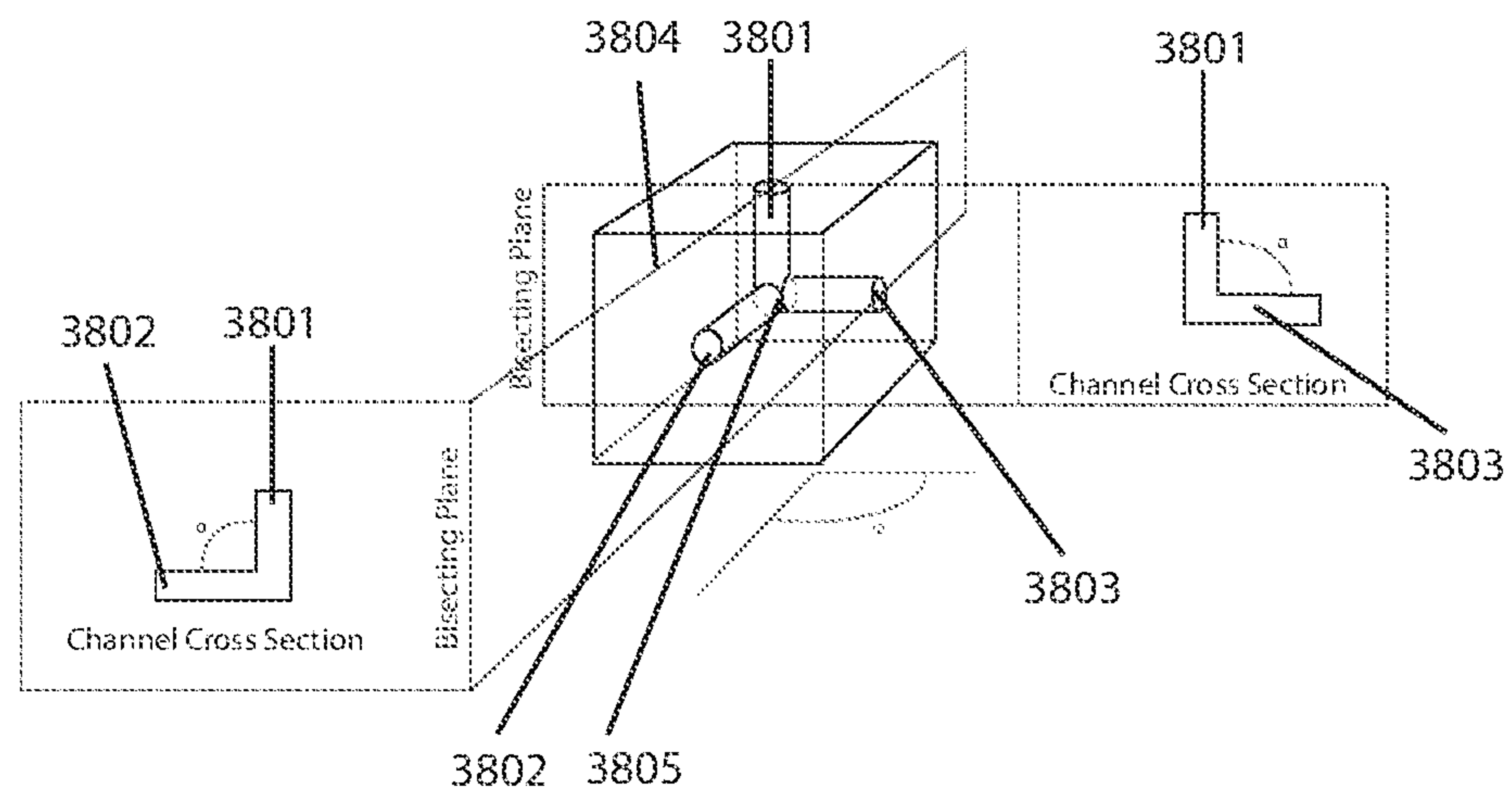
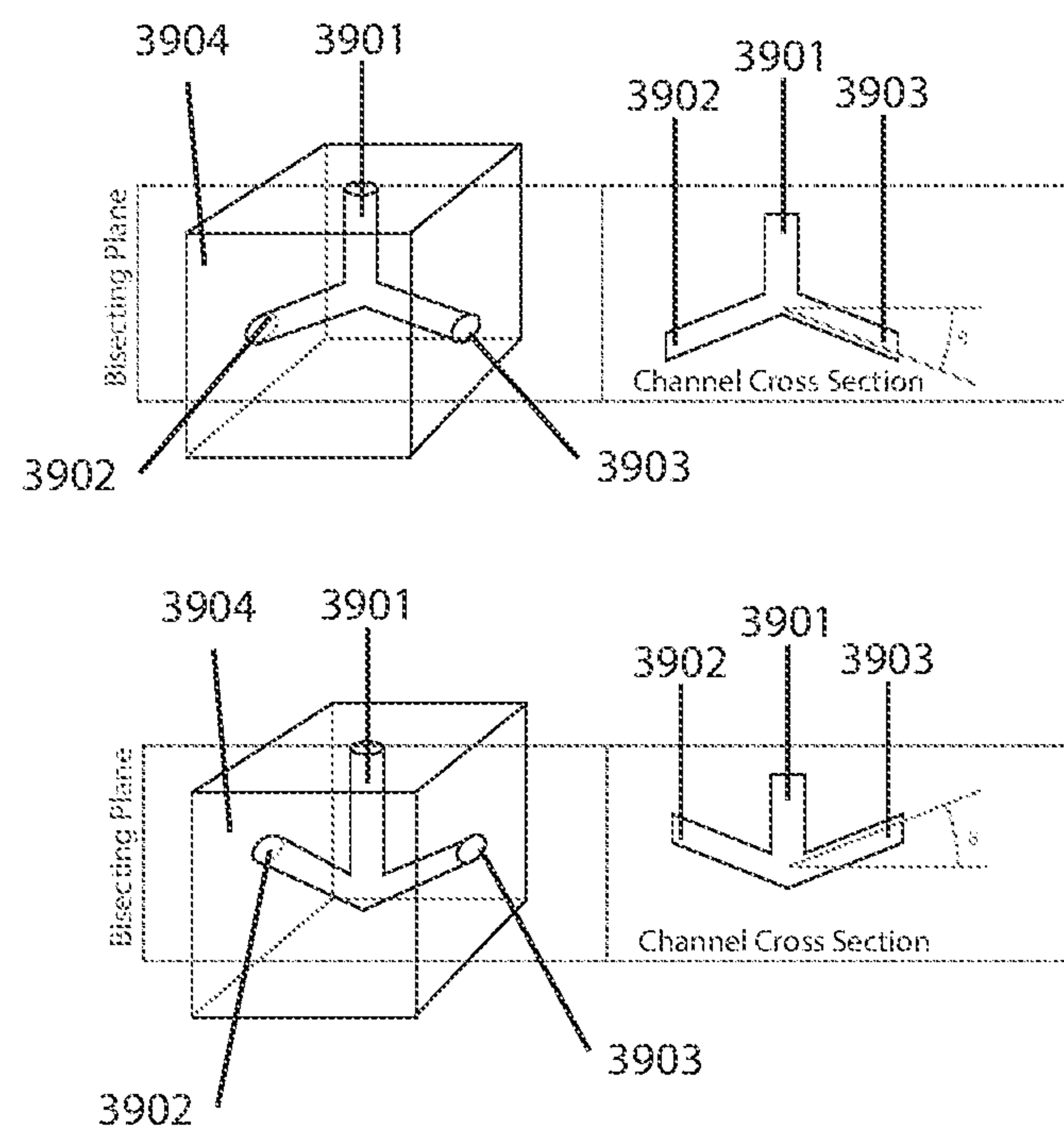


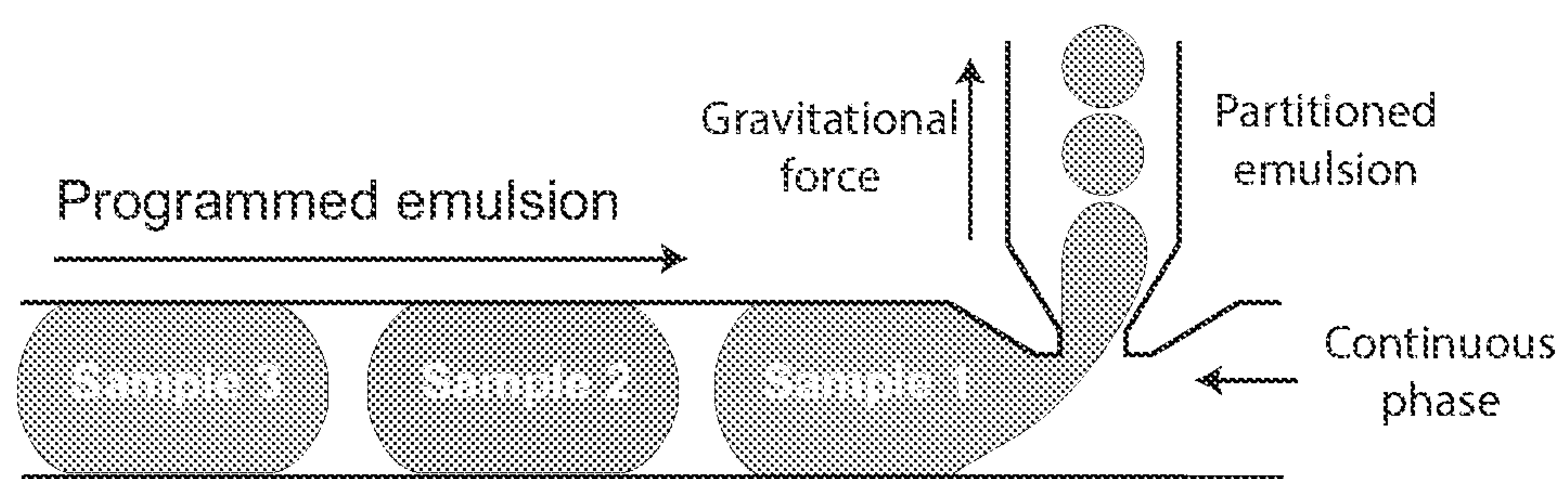
Figure 35

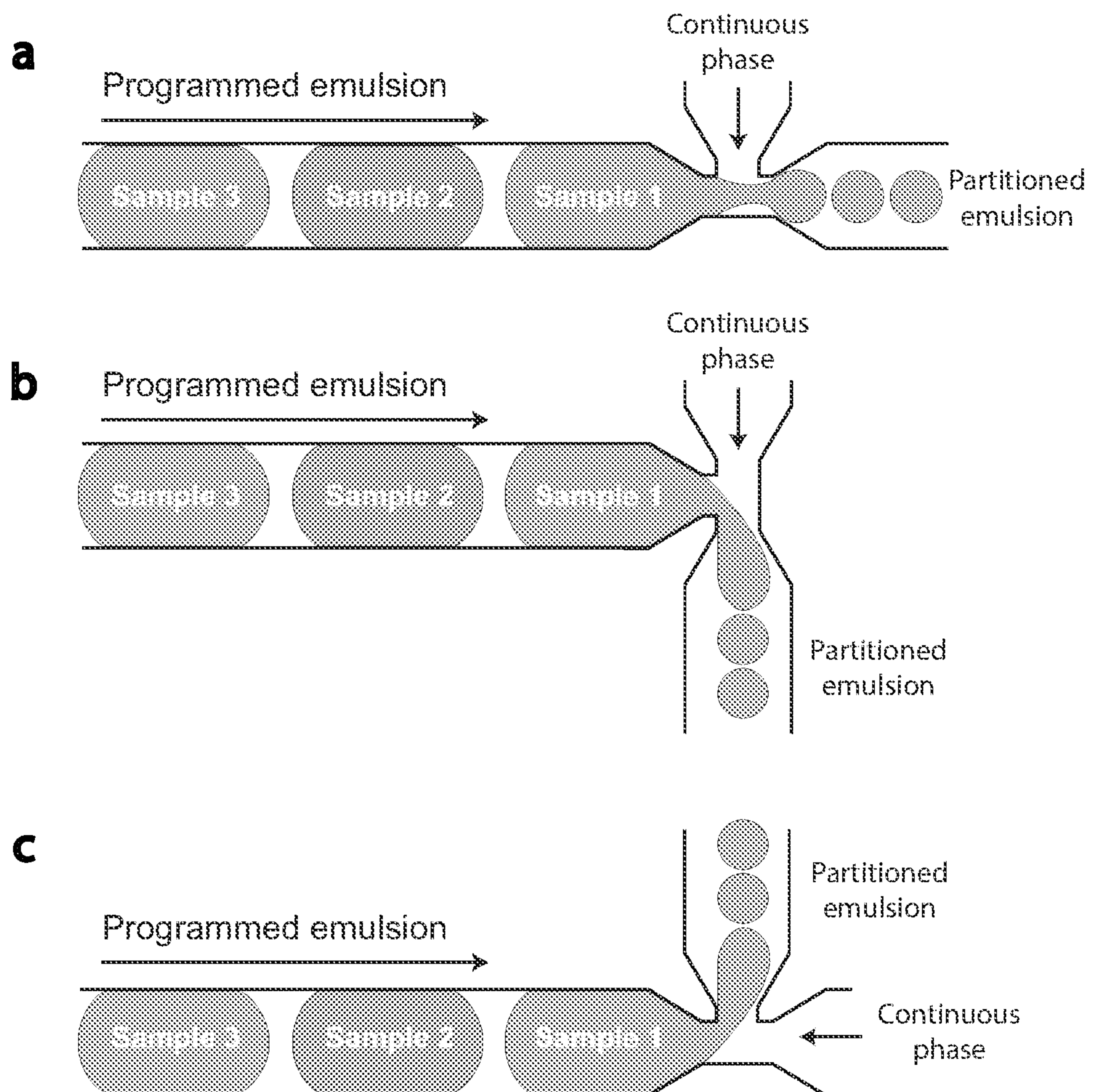
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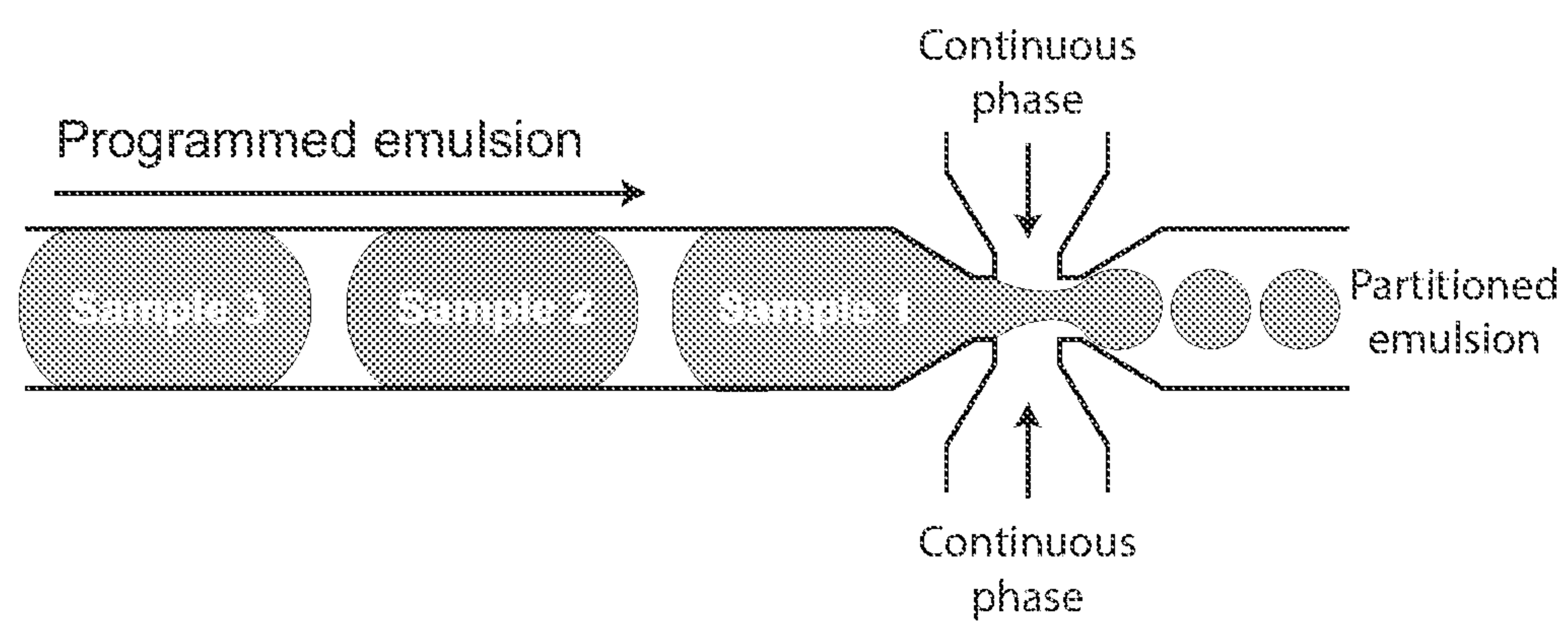
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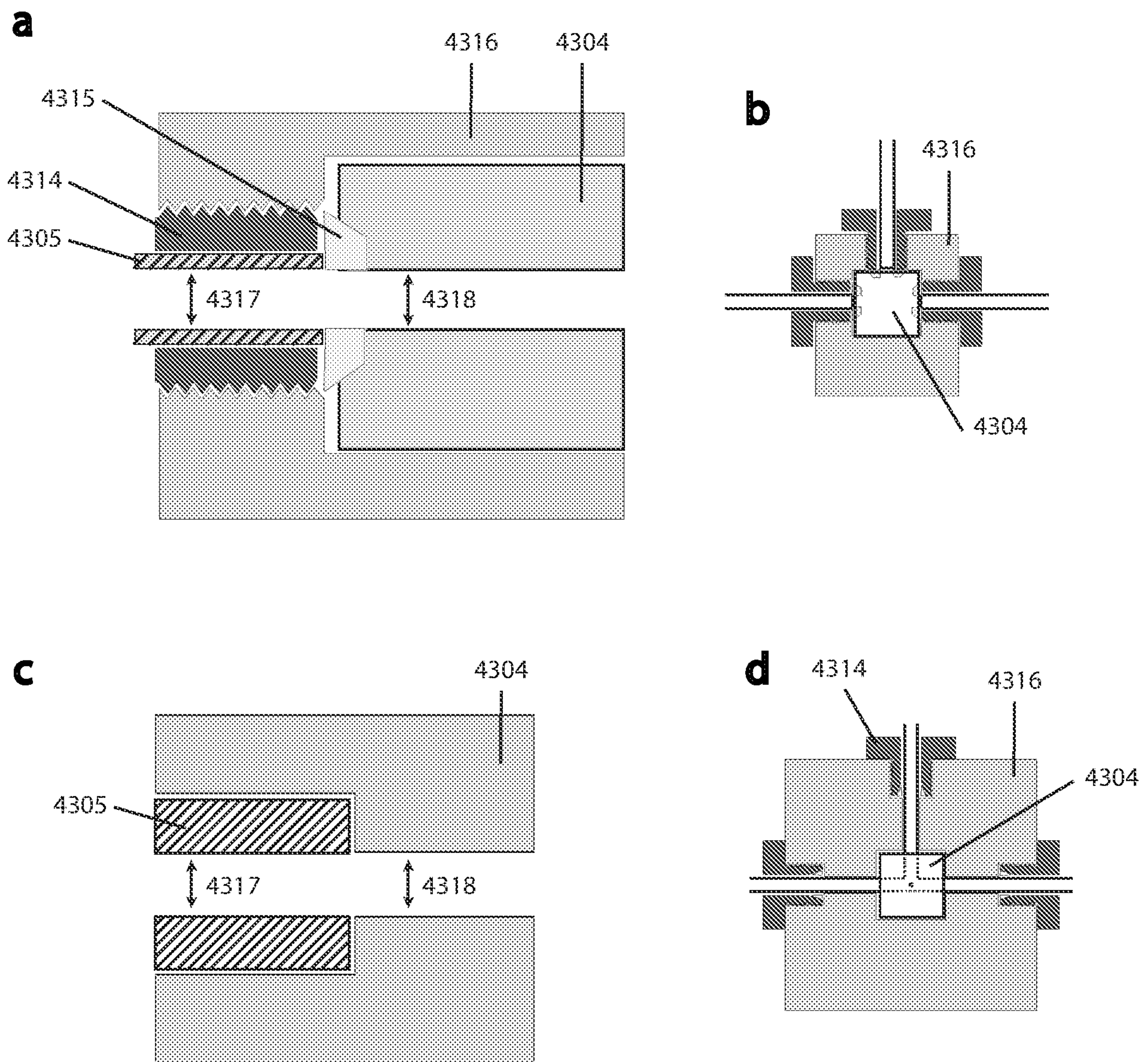
**Figure 38**

**Figure 39**

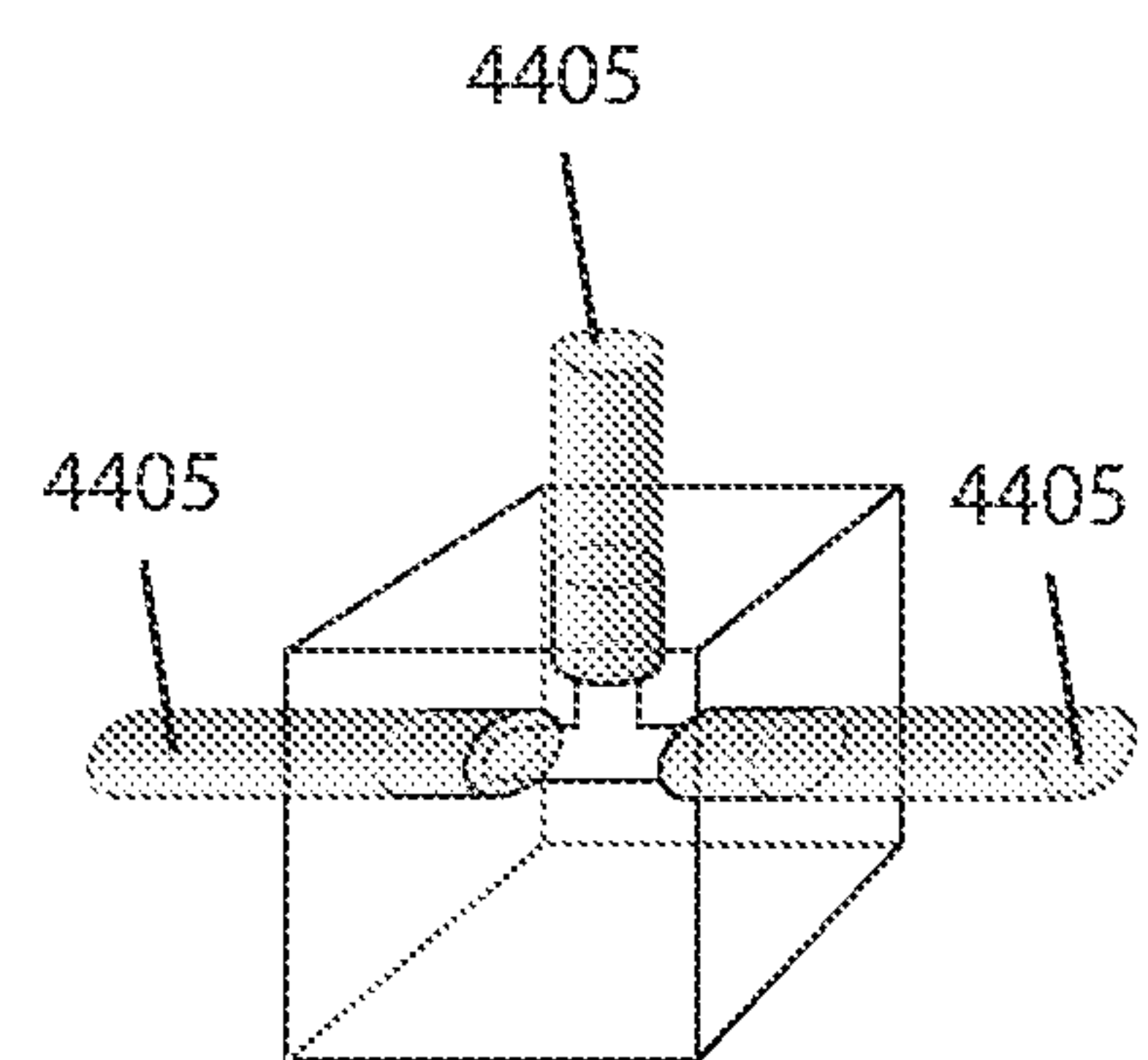
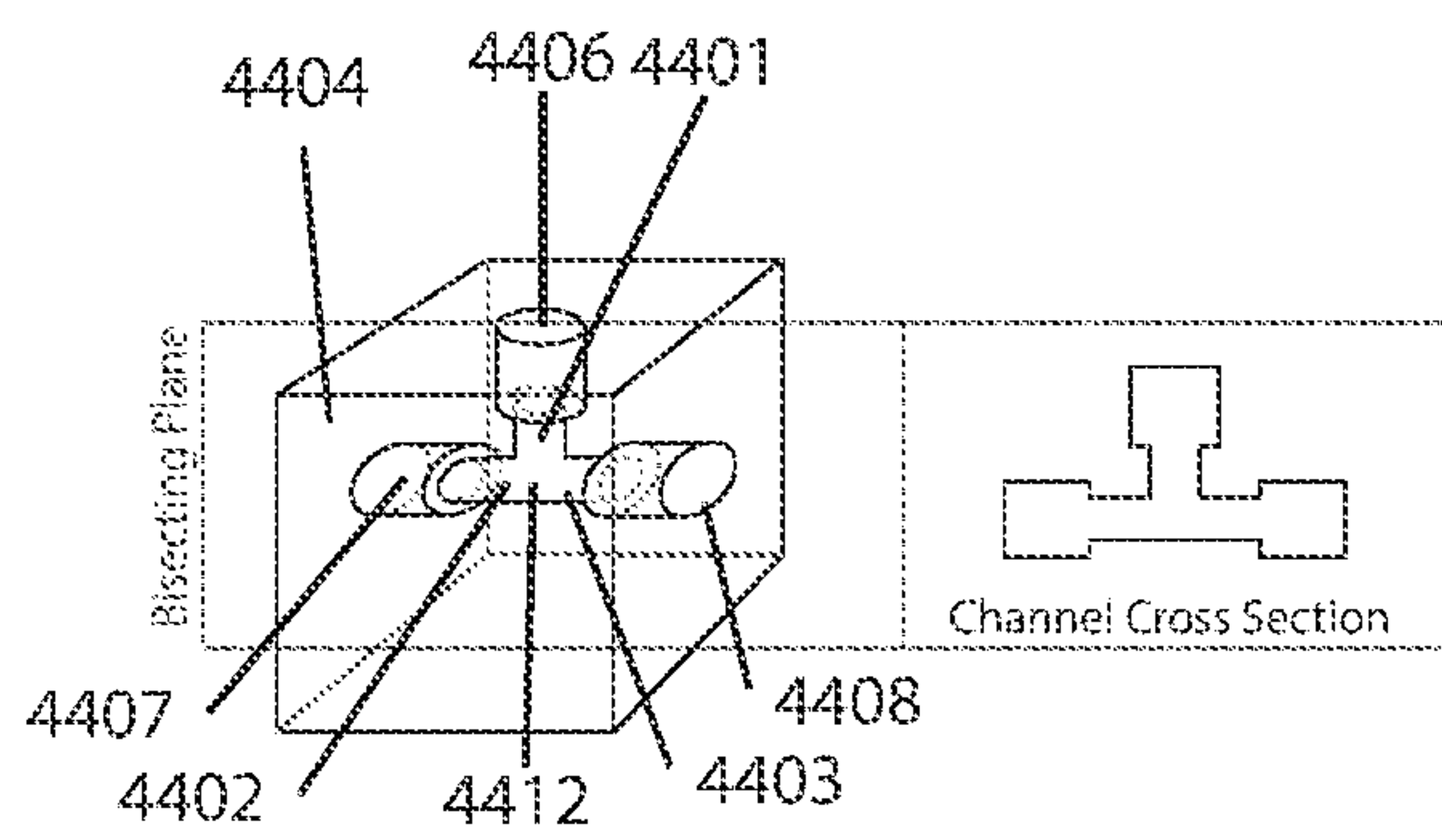
**Figure 40**

**Figure 41**

**Figure 42**

**Figure 43**

a



b

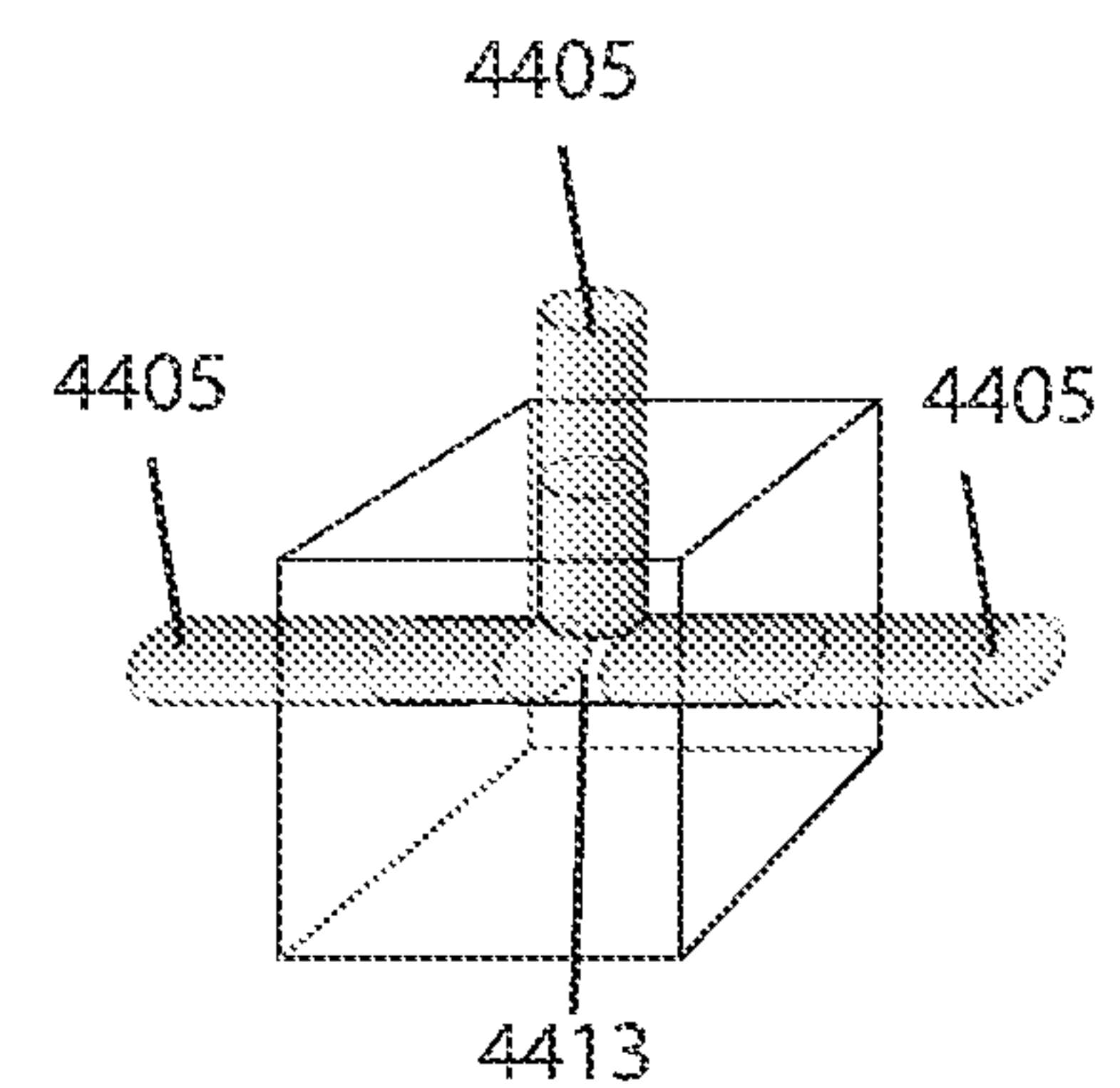
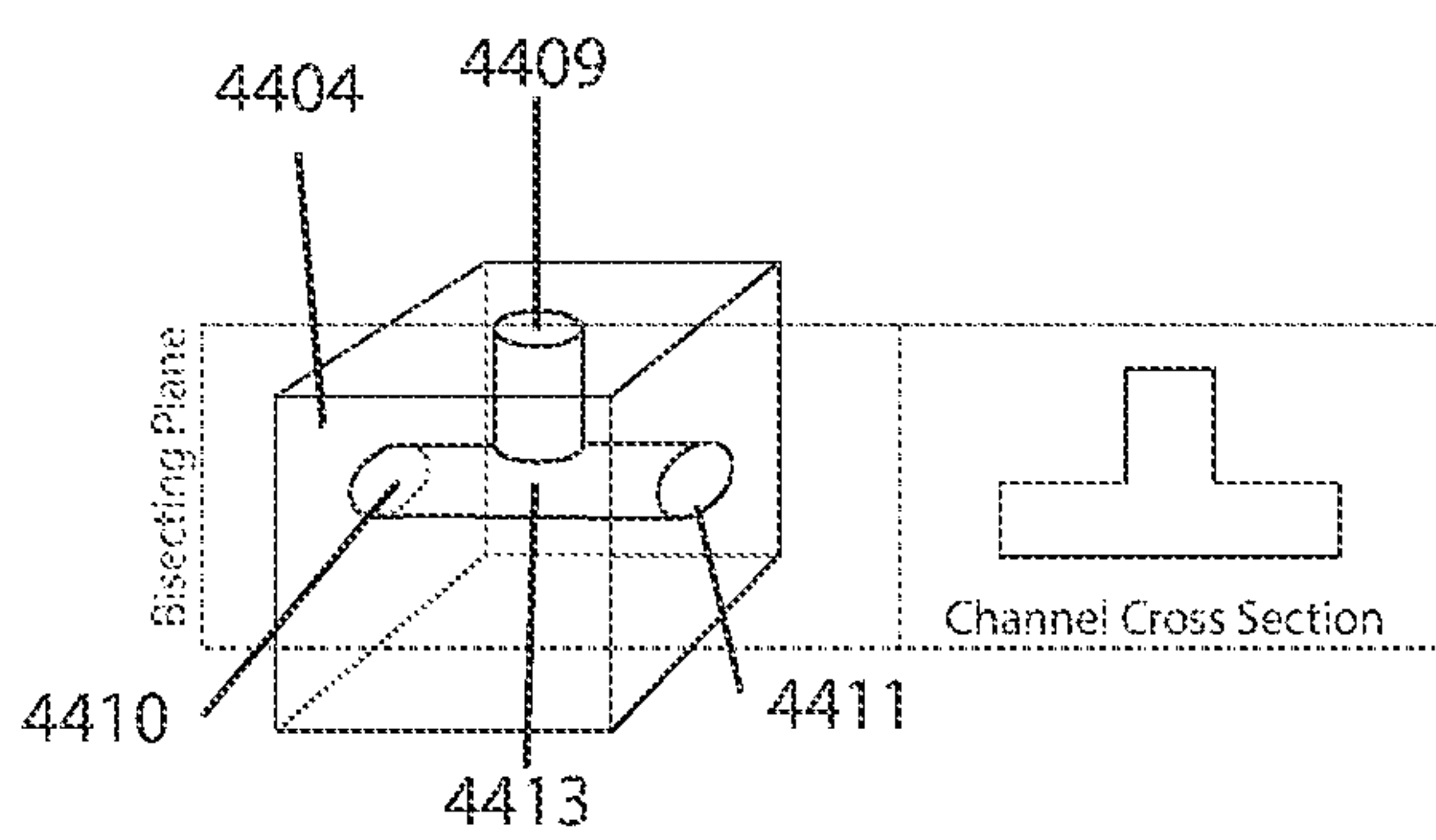
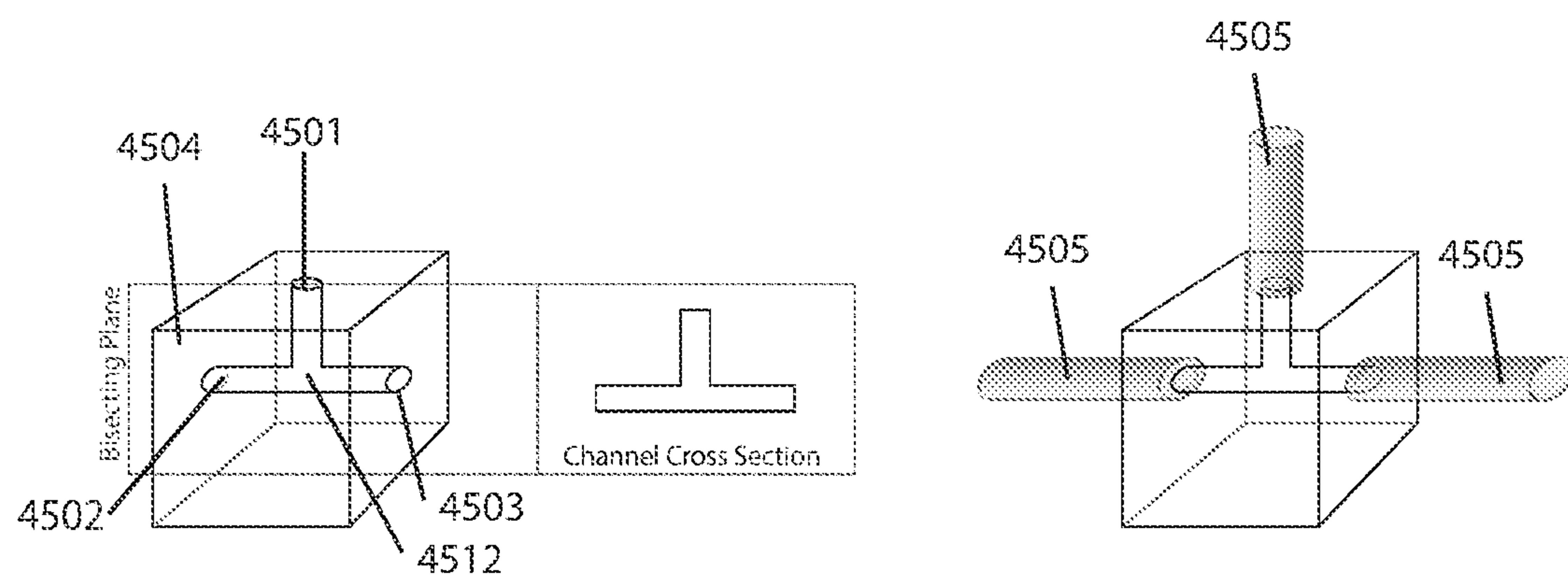
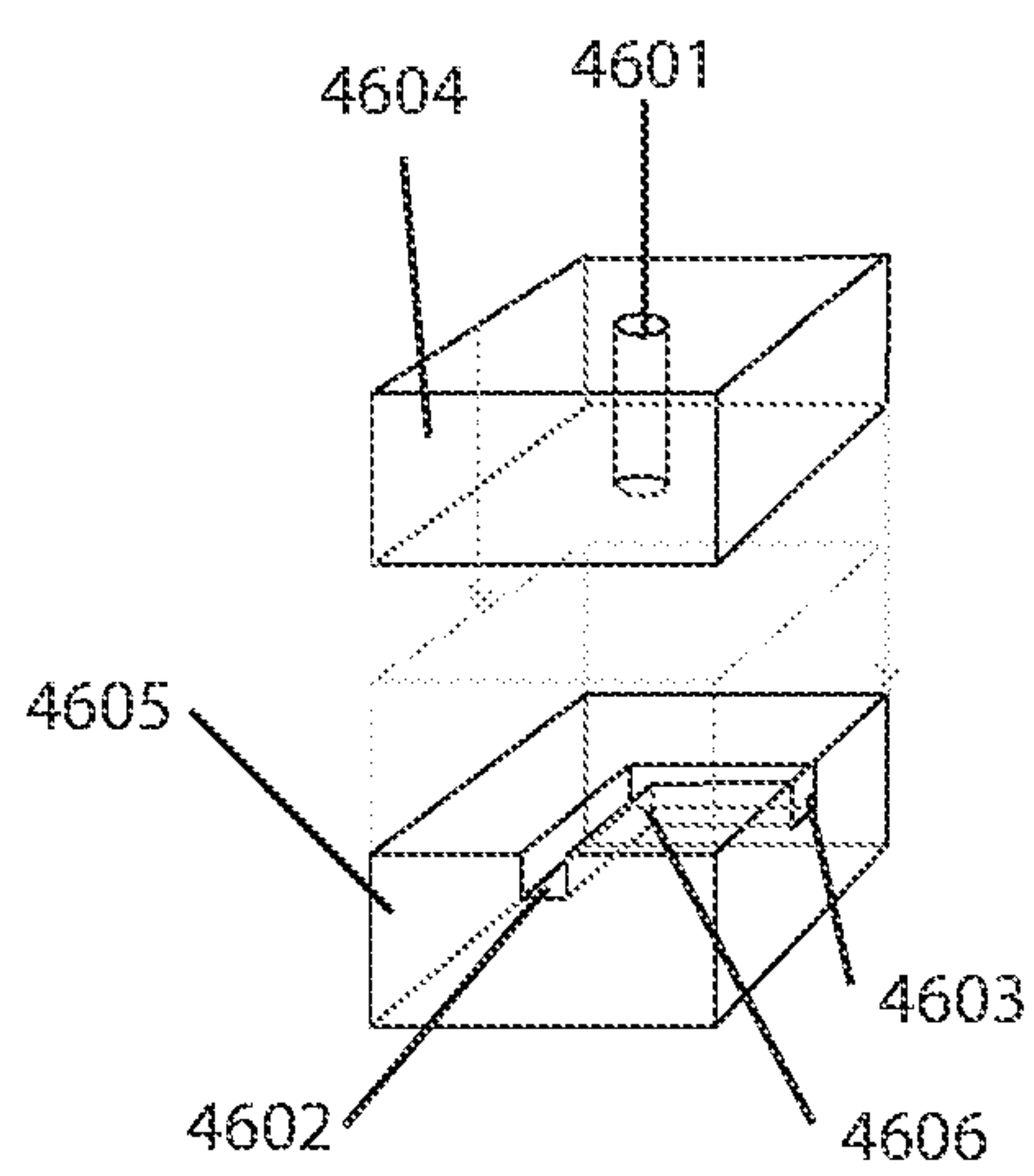
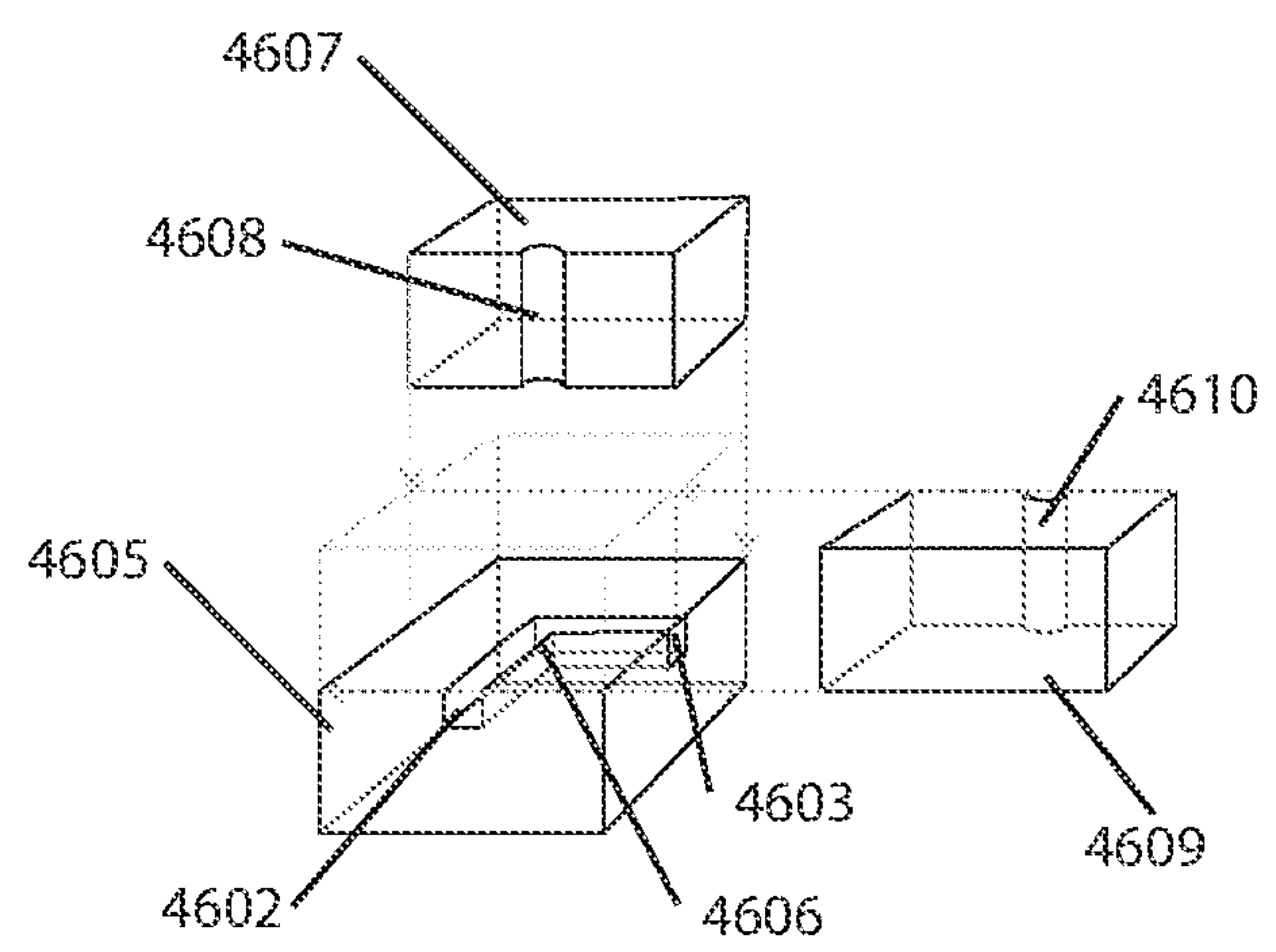
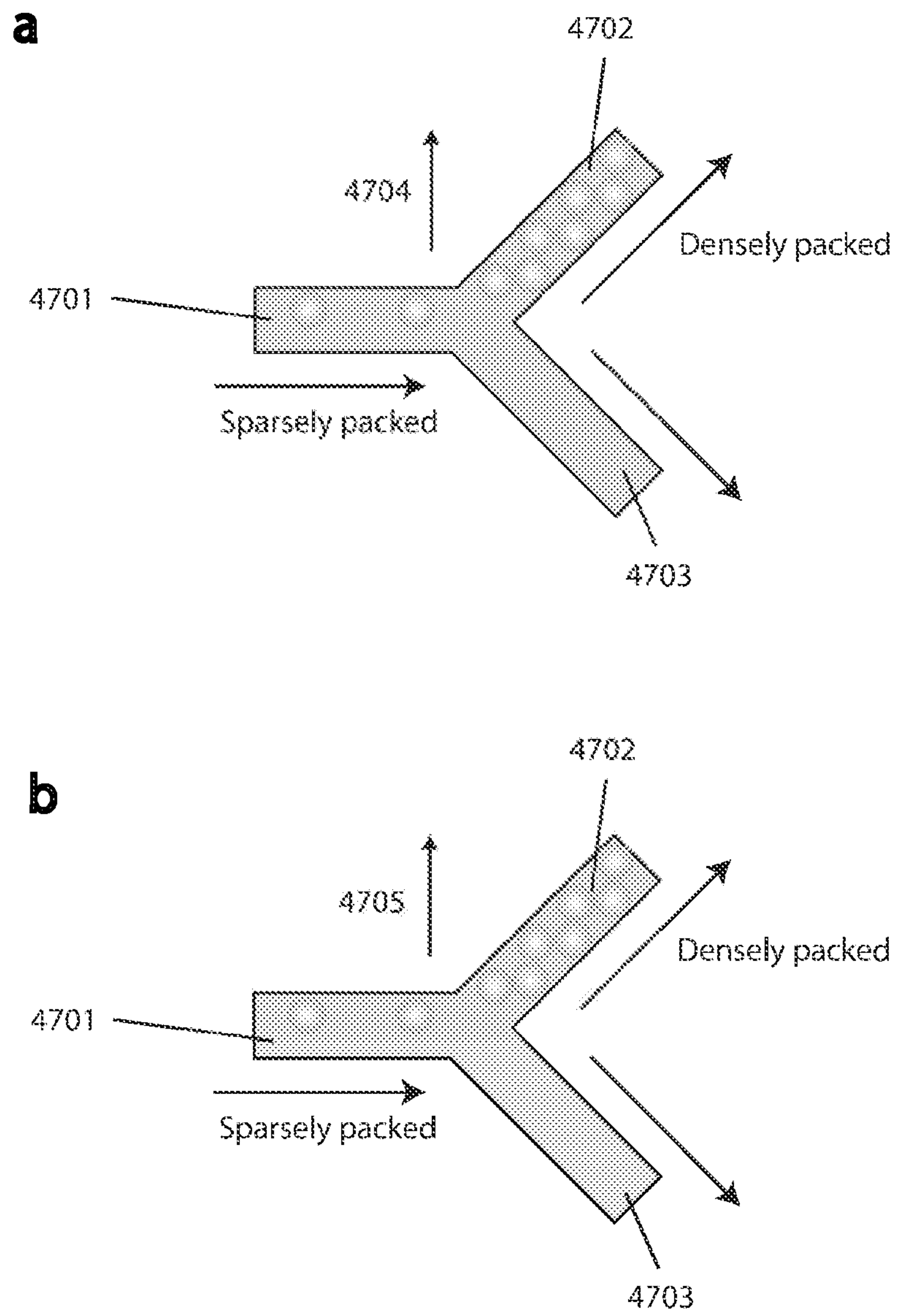
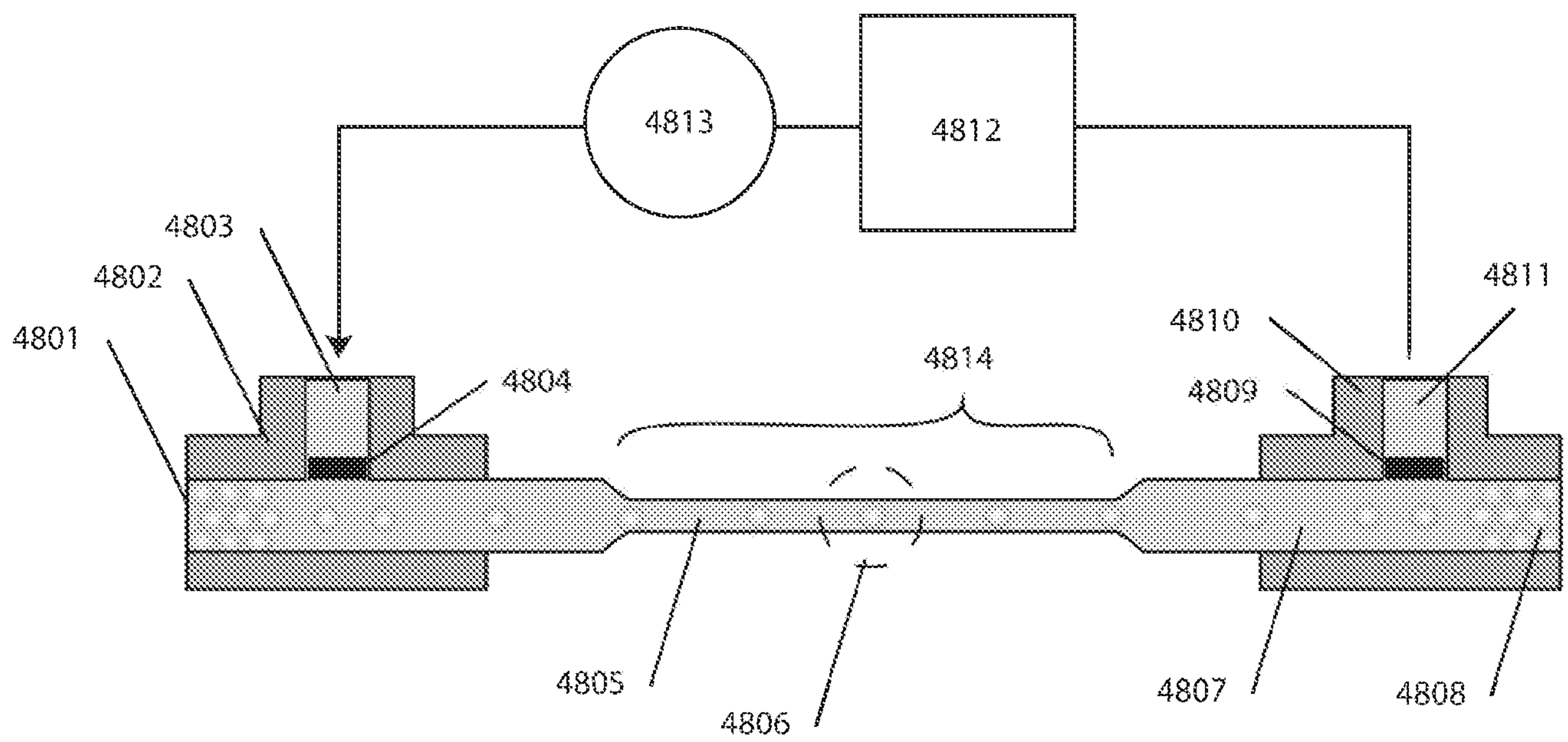


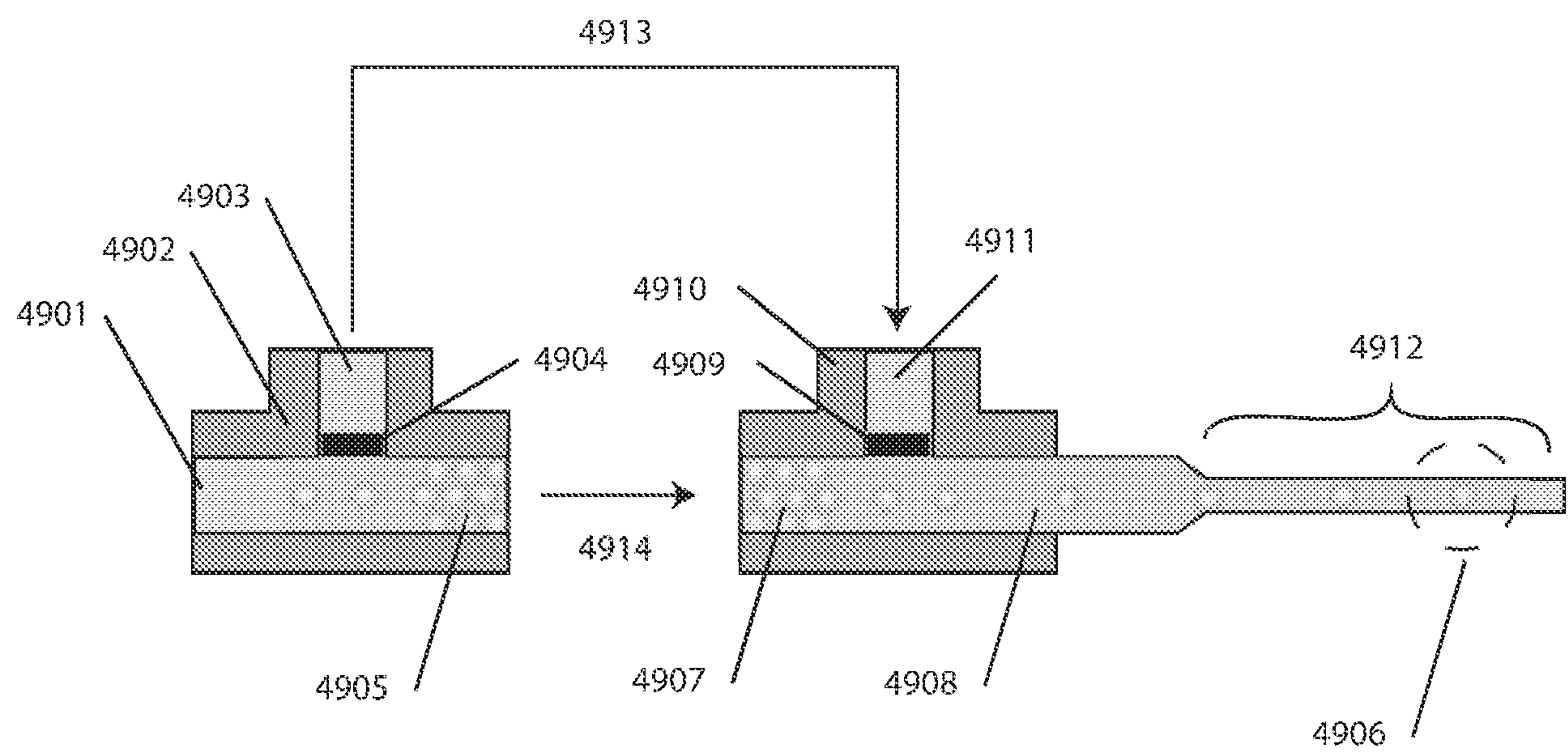
Figure 44

**Figure 45**

a**b****Figure 46**

**Figure 47**

**Figure 48**

**Figure 49**

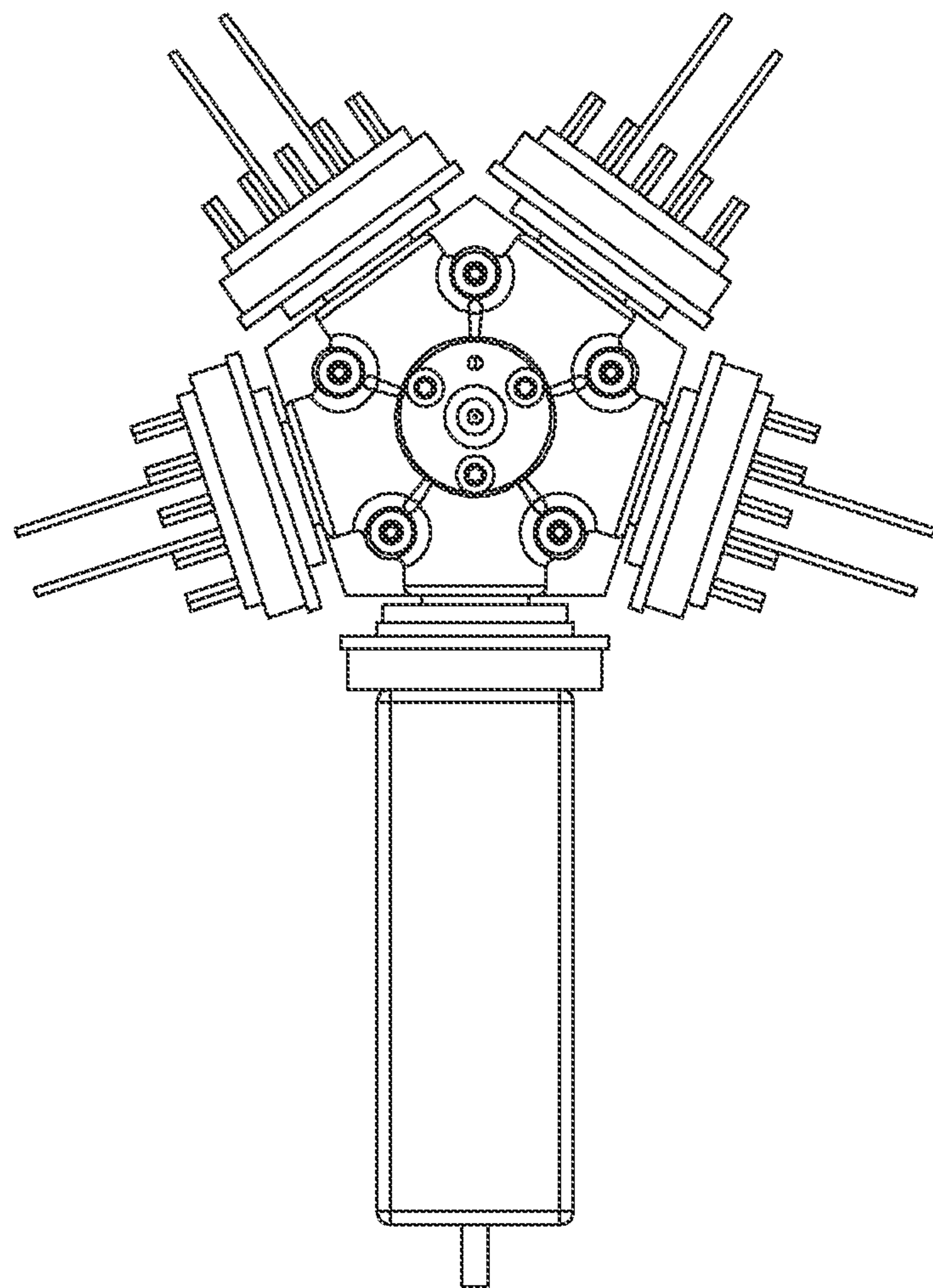
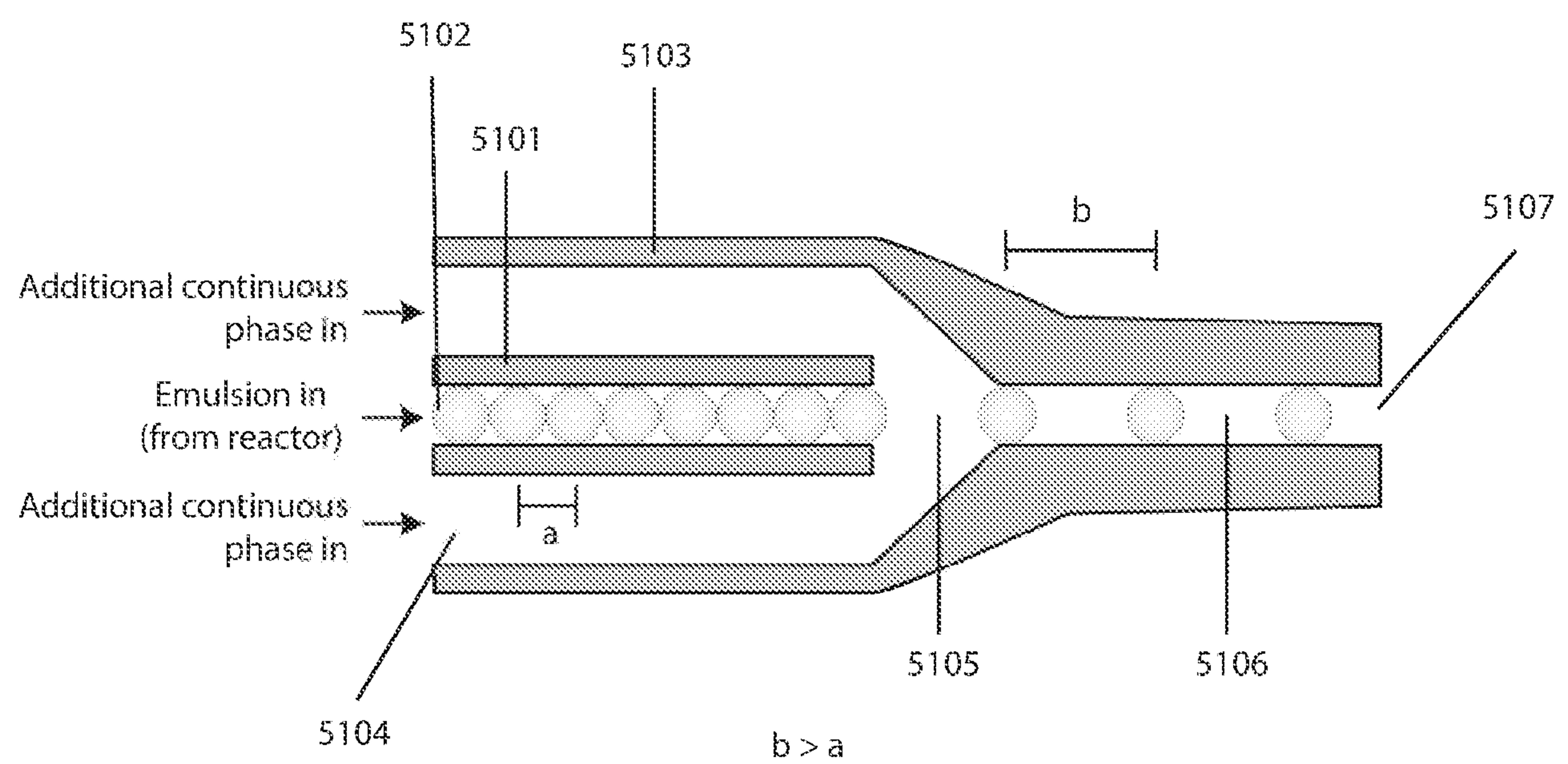
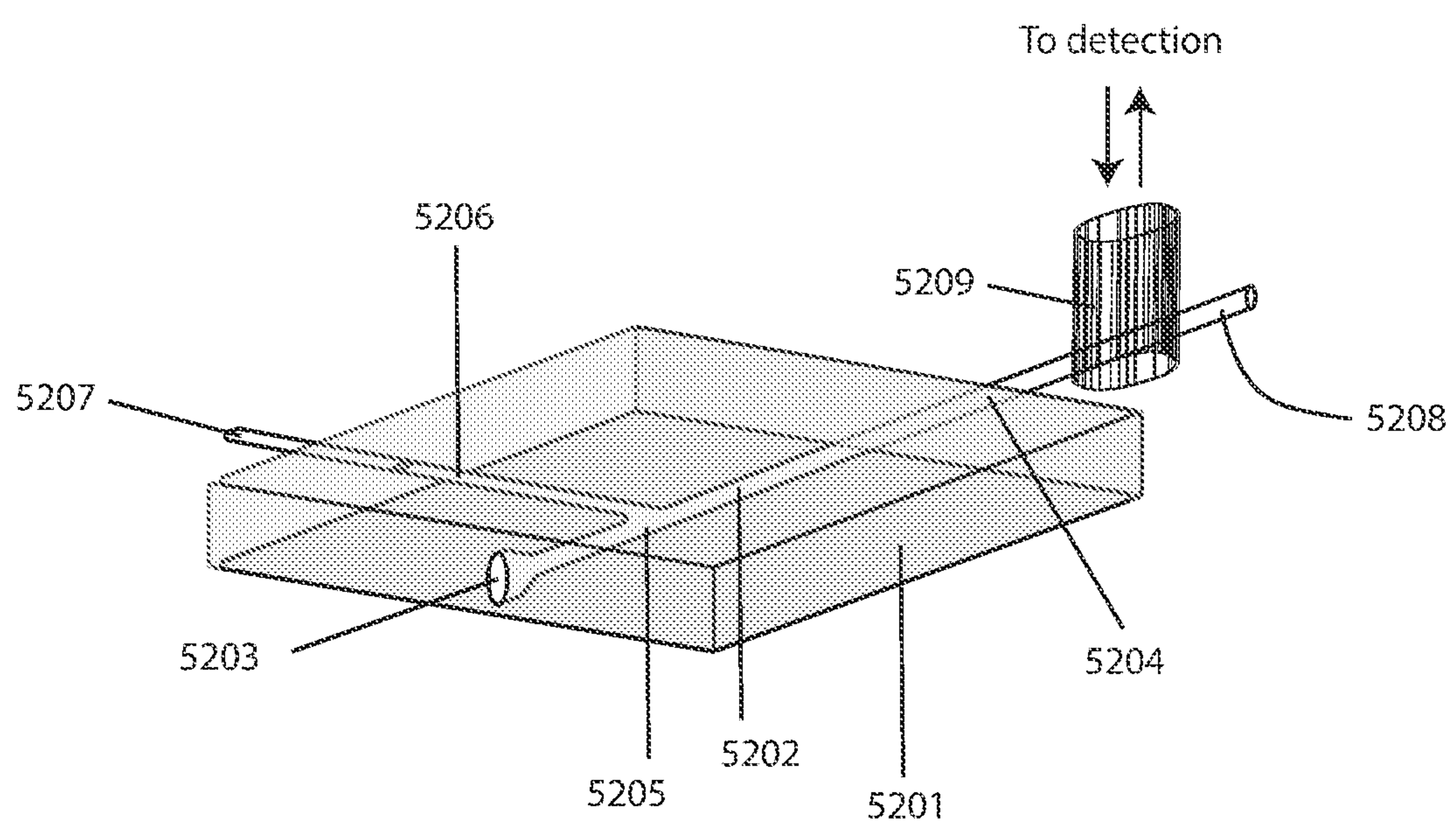
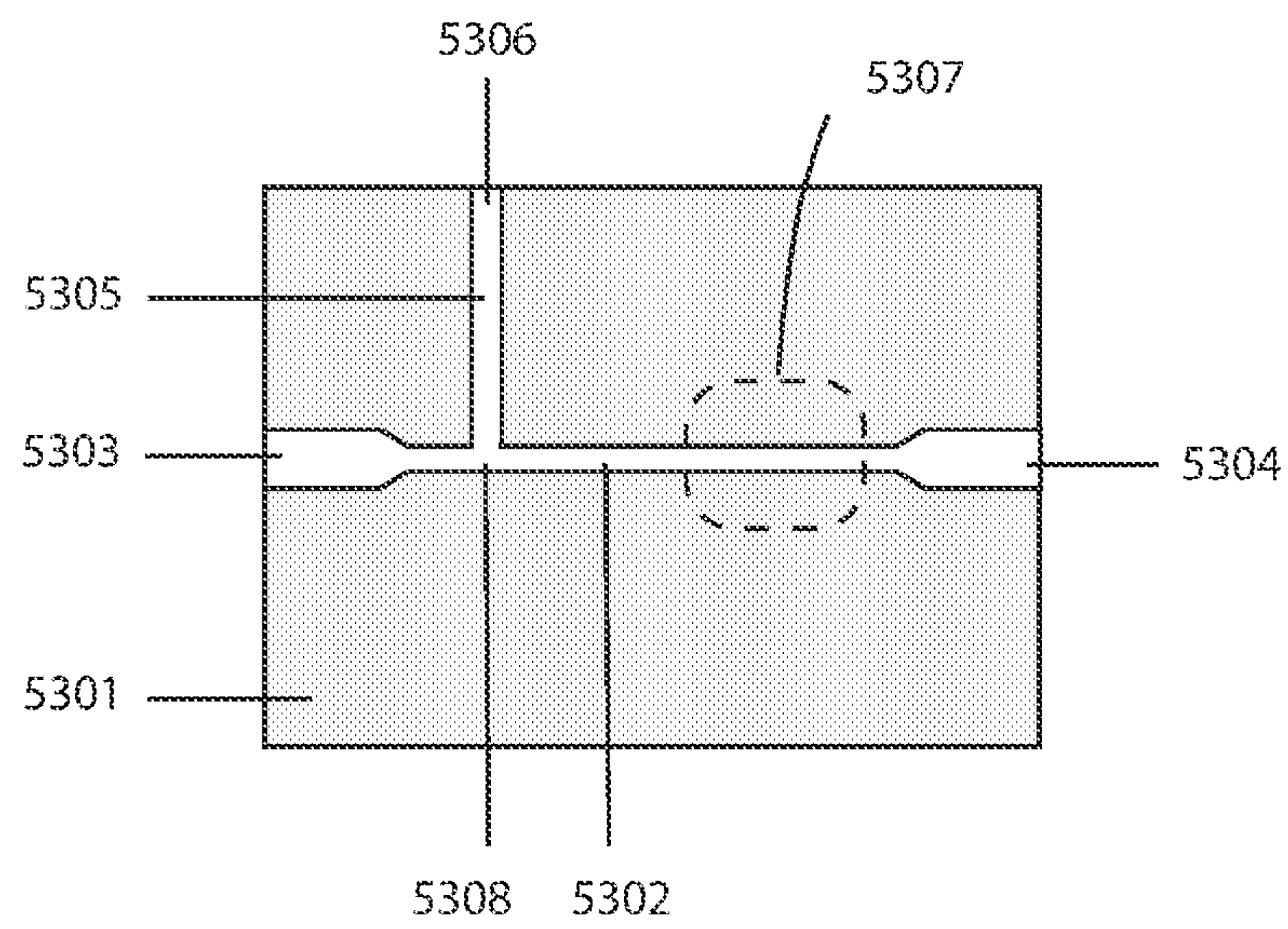
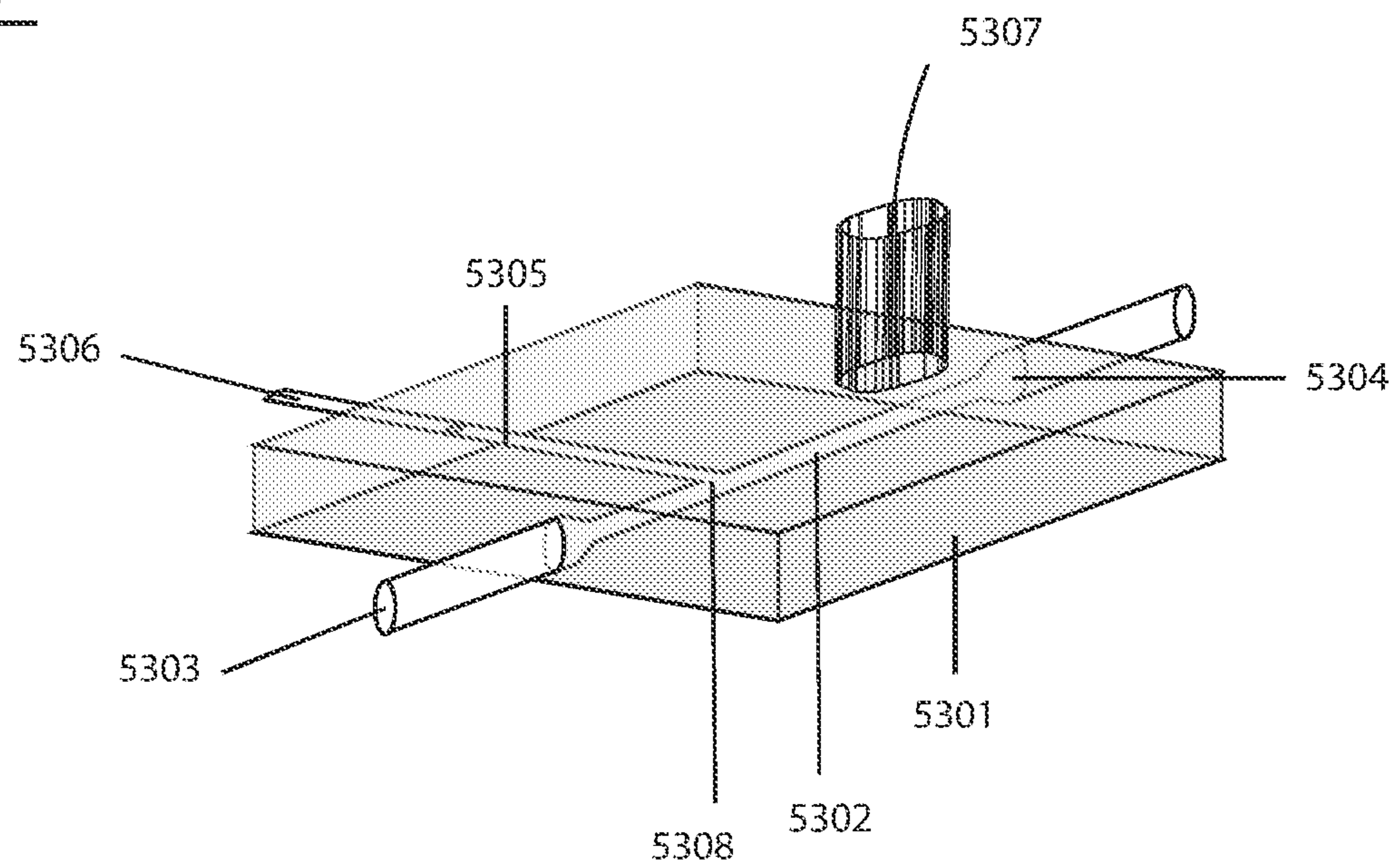
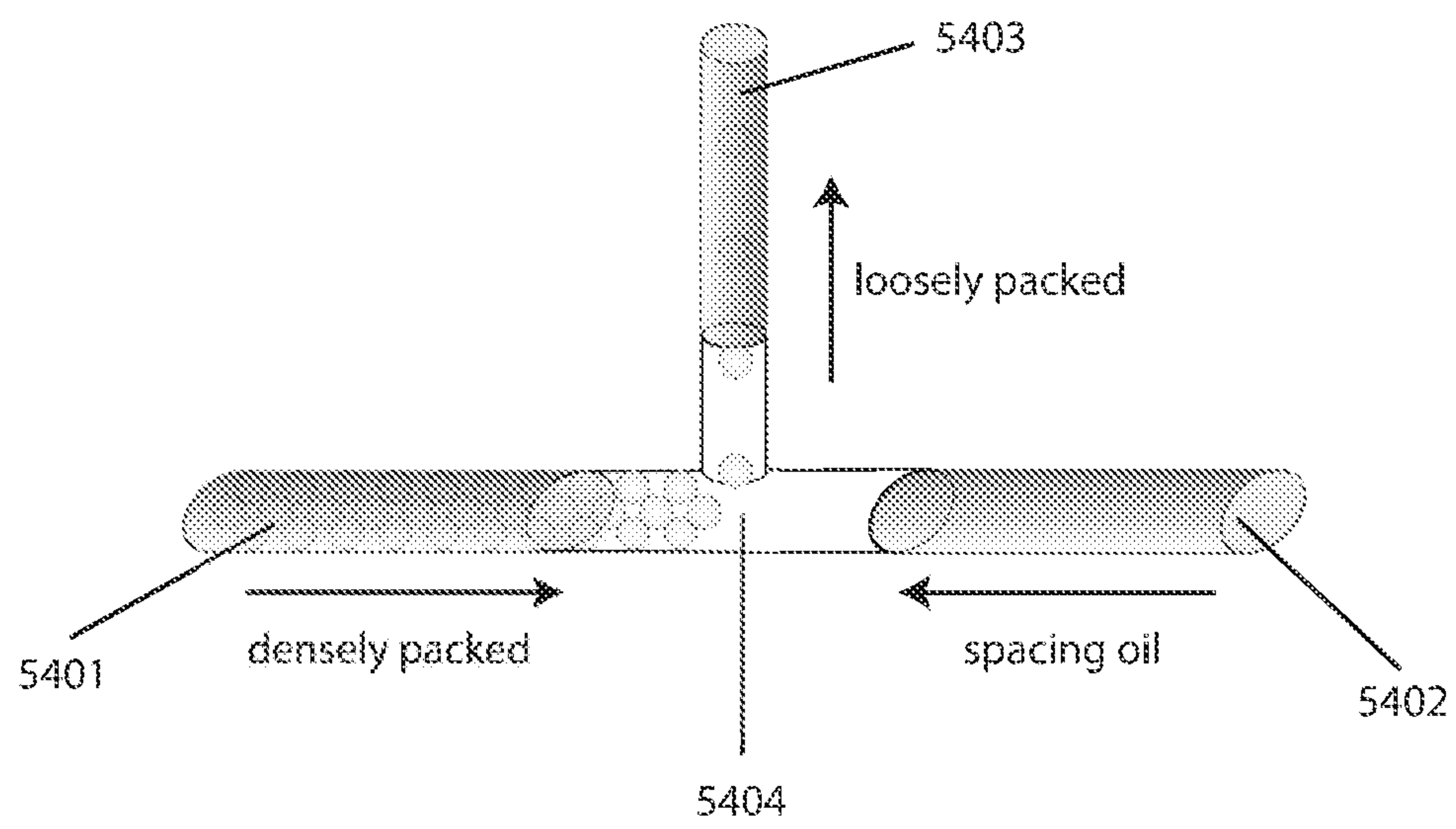


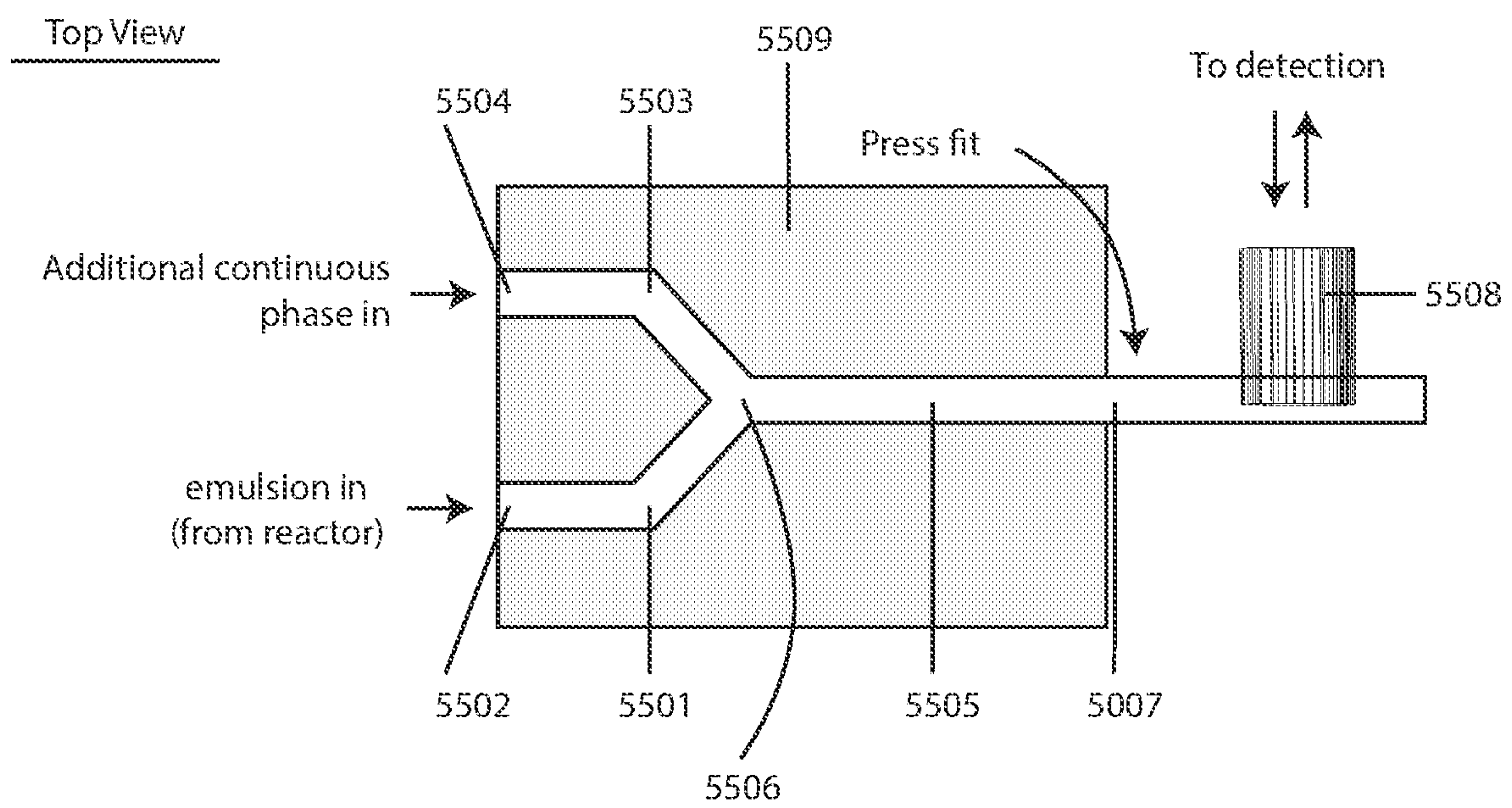
Figure 50

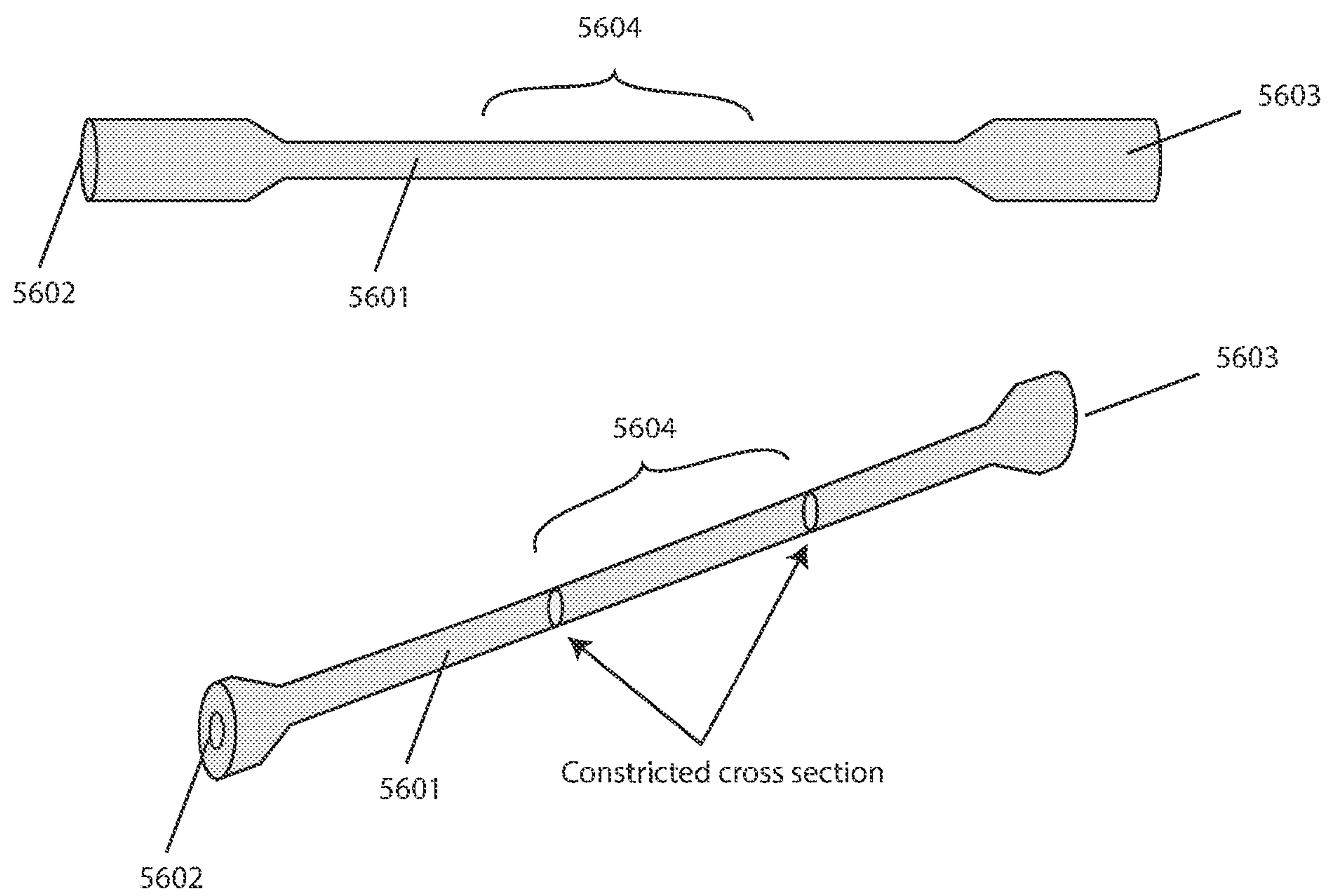
**Figure 51**

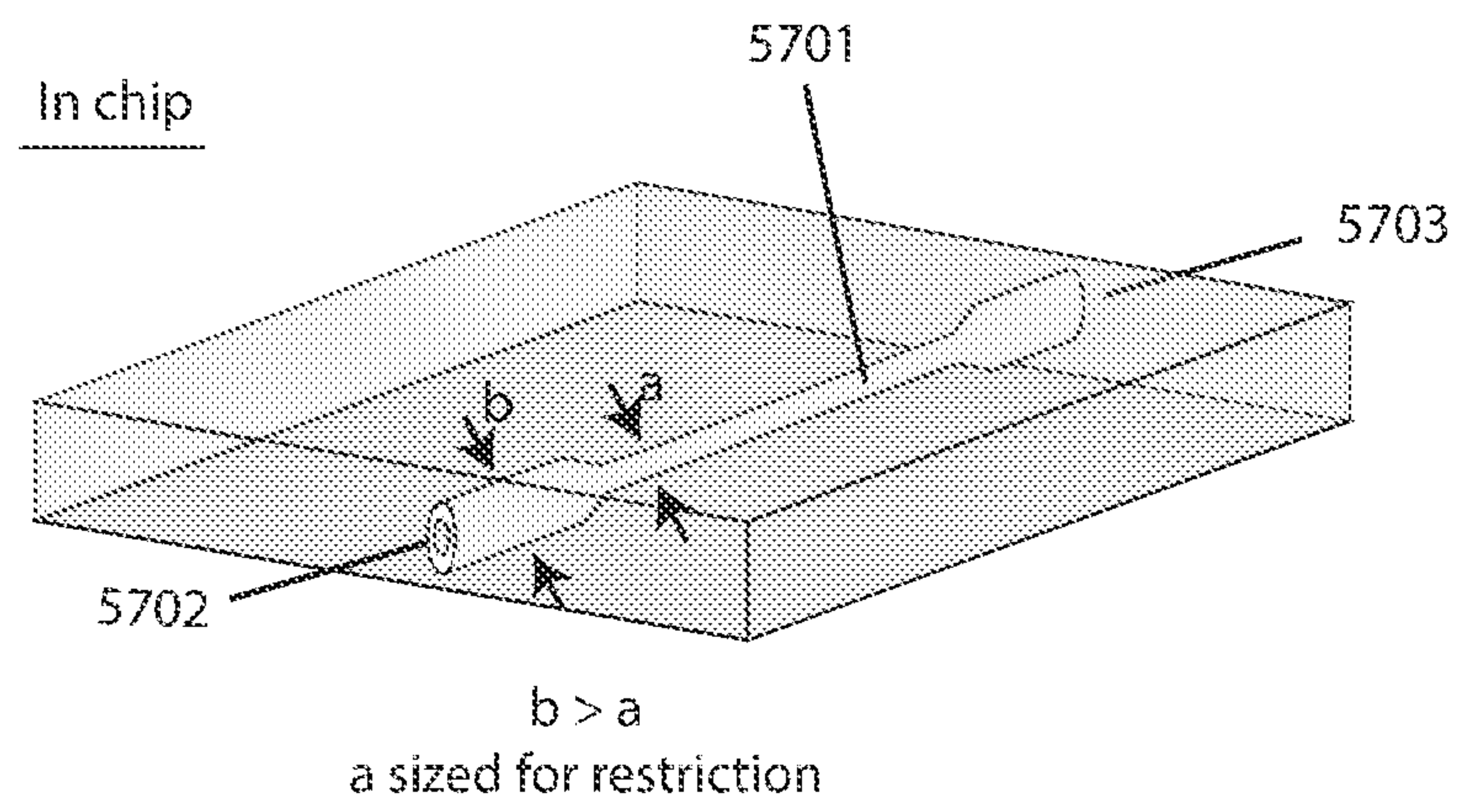
**Figure 52**

Top ViewSide View**Figure 53**

**Figure 54**

**Figure 55**

**Figure 56**



In cylinder/monolith

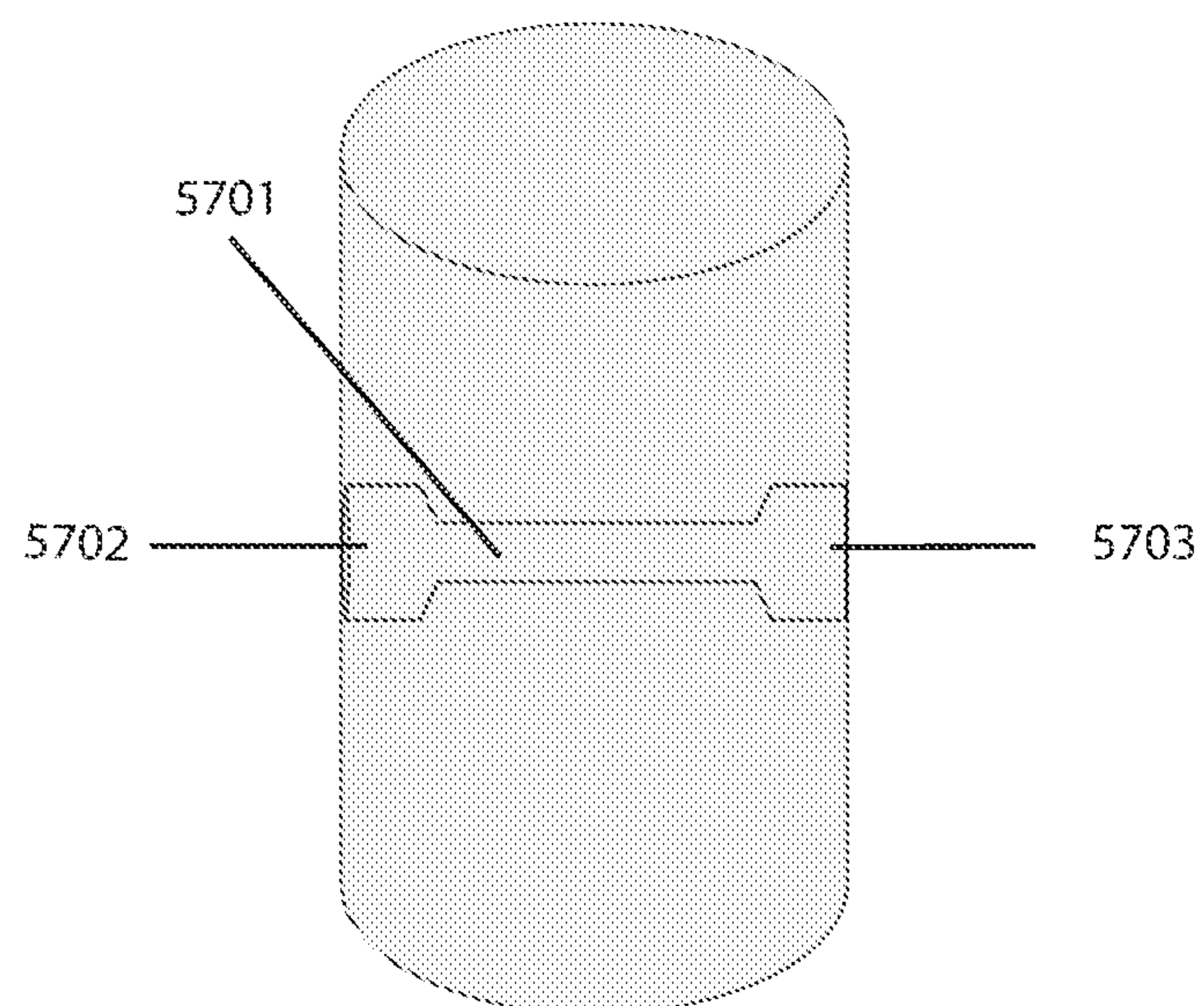
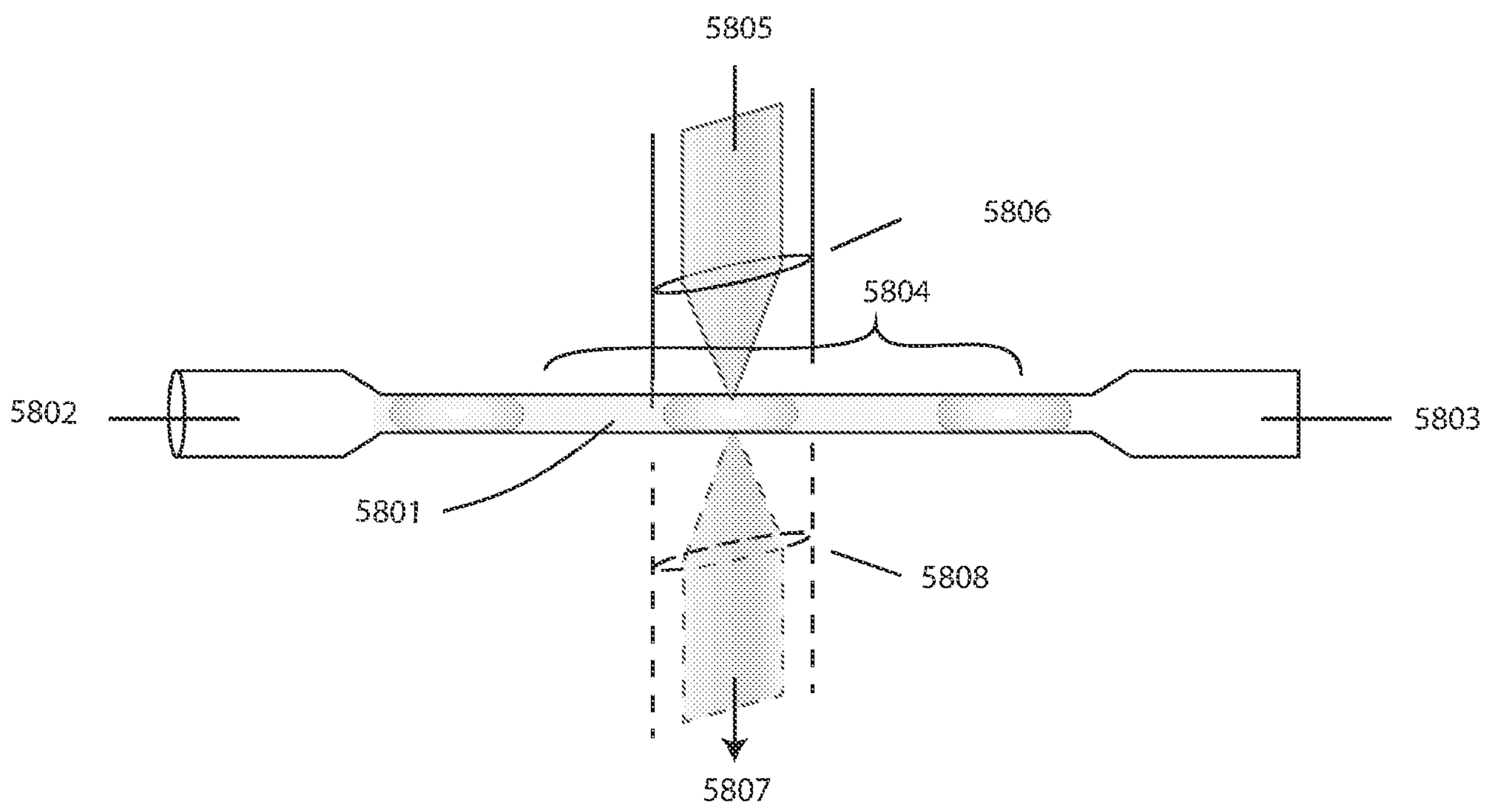
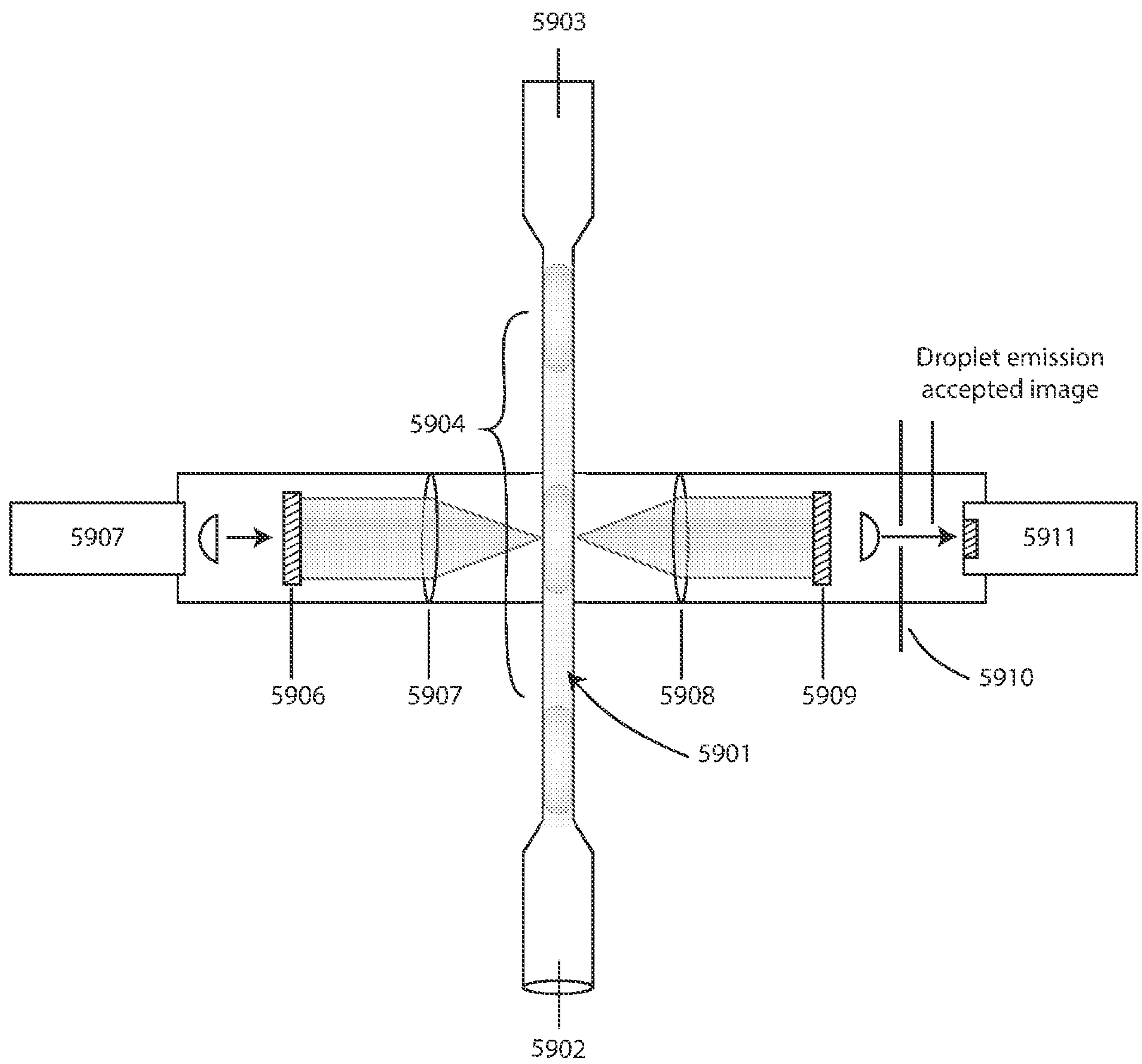
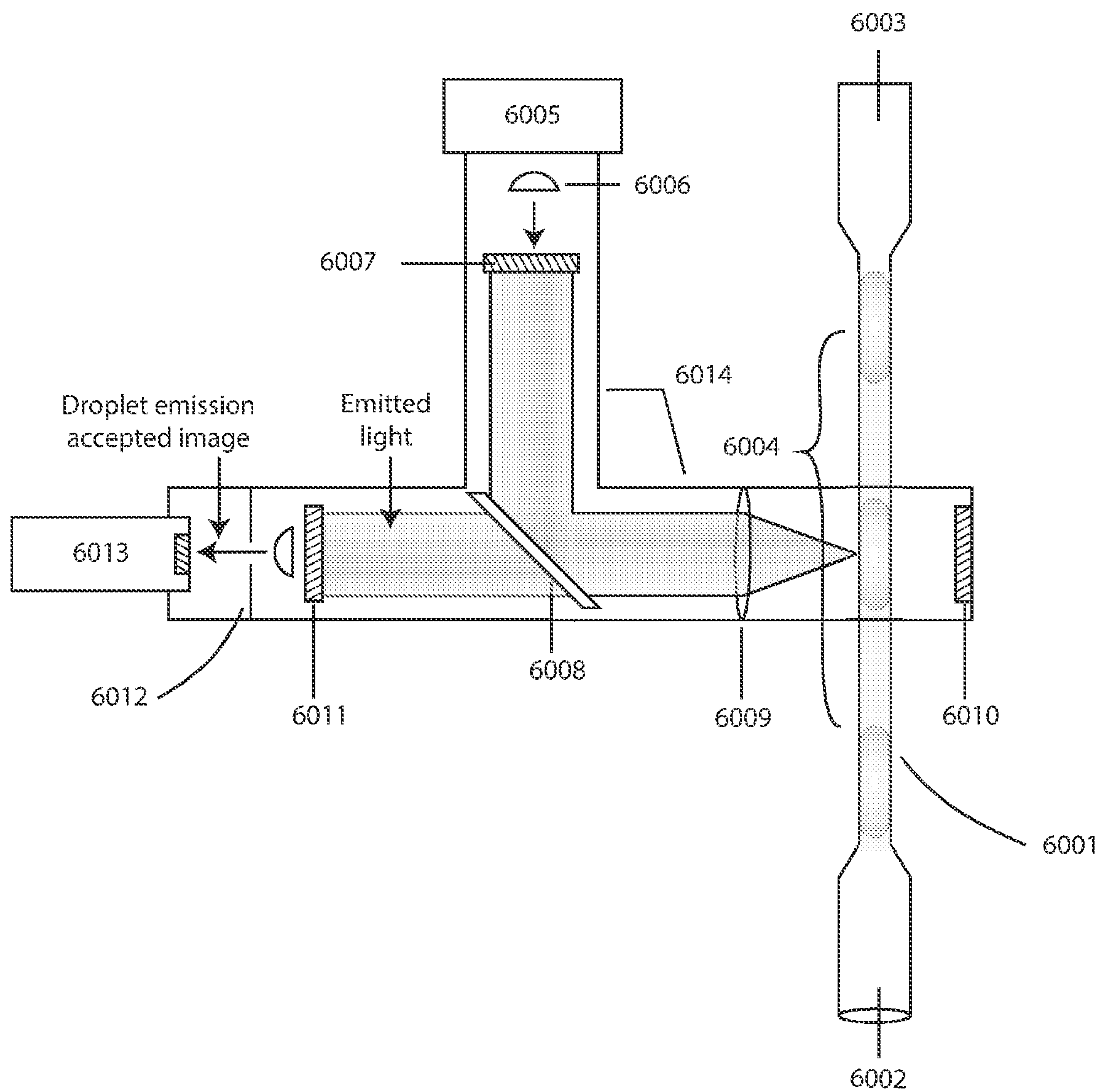
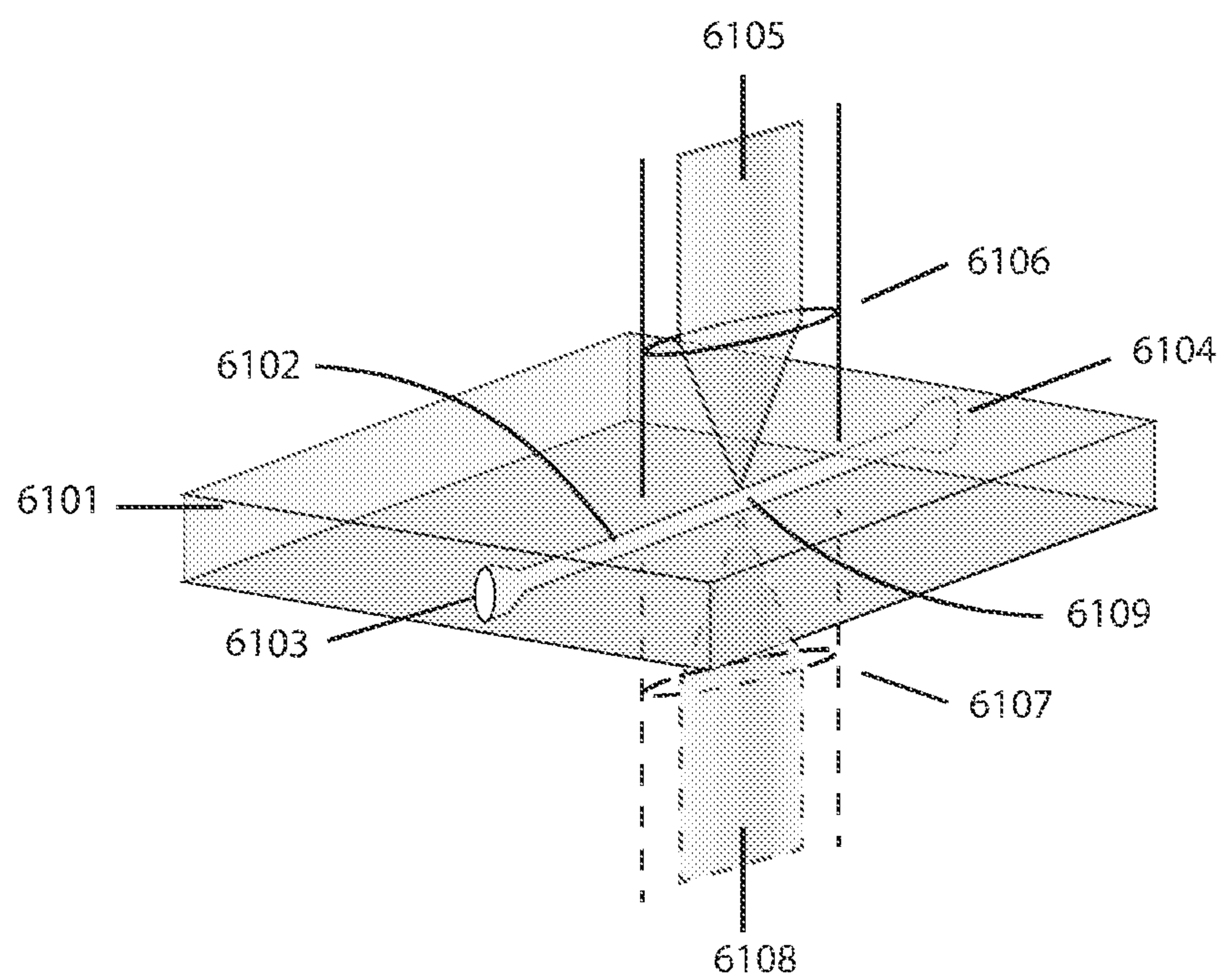


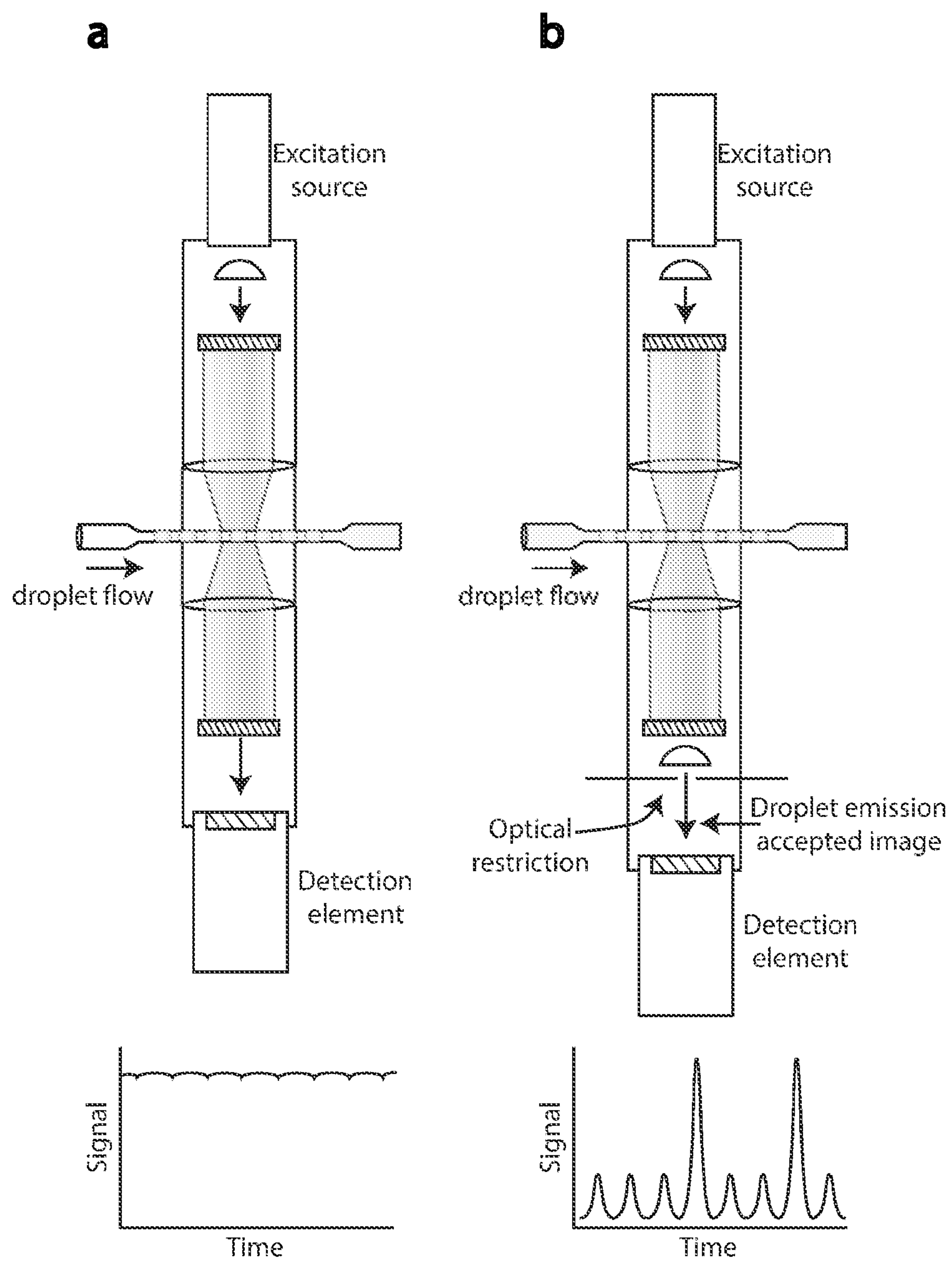
Figure 57

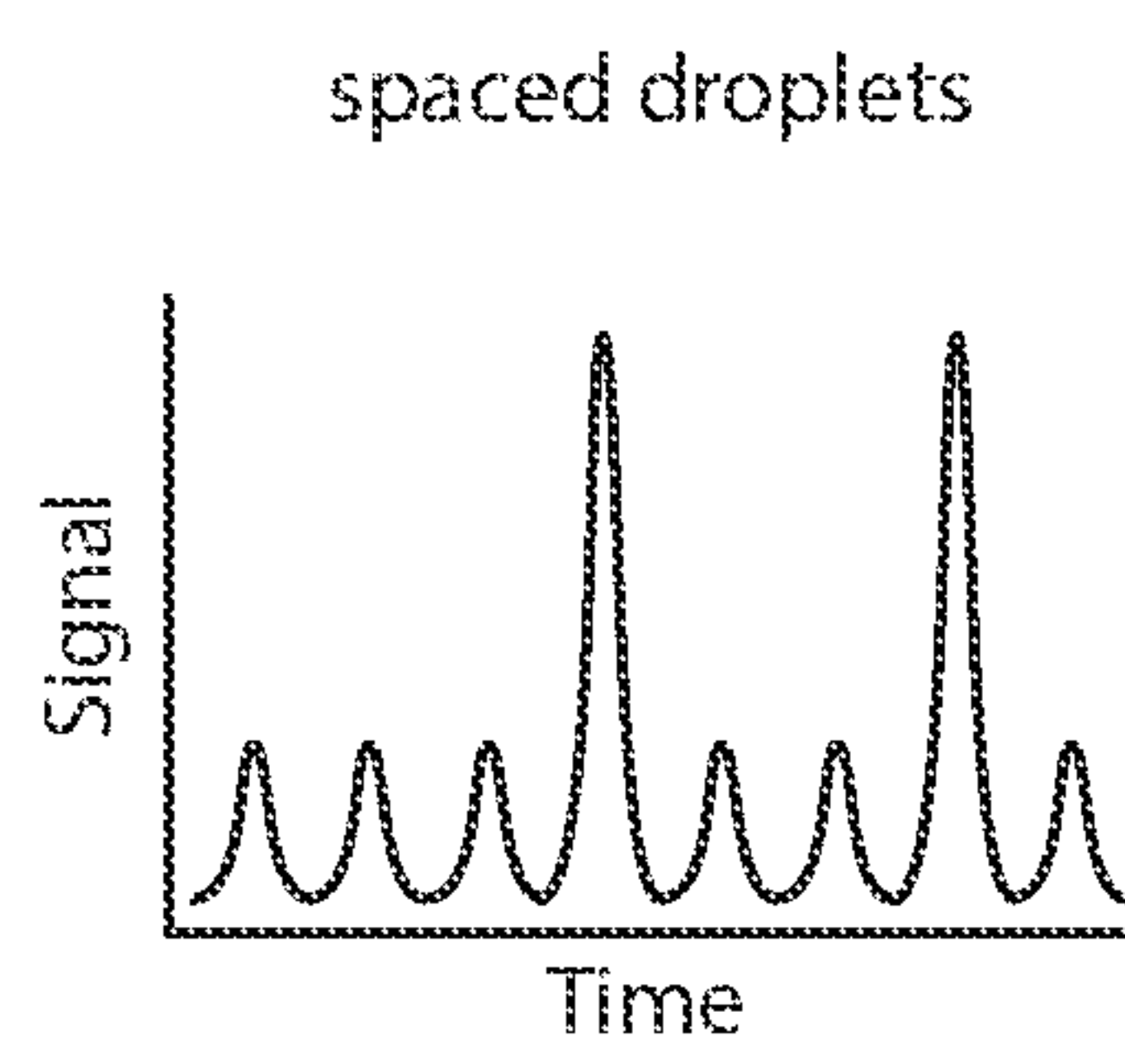
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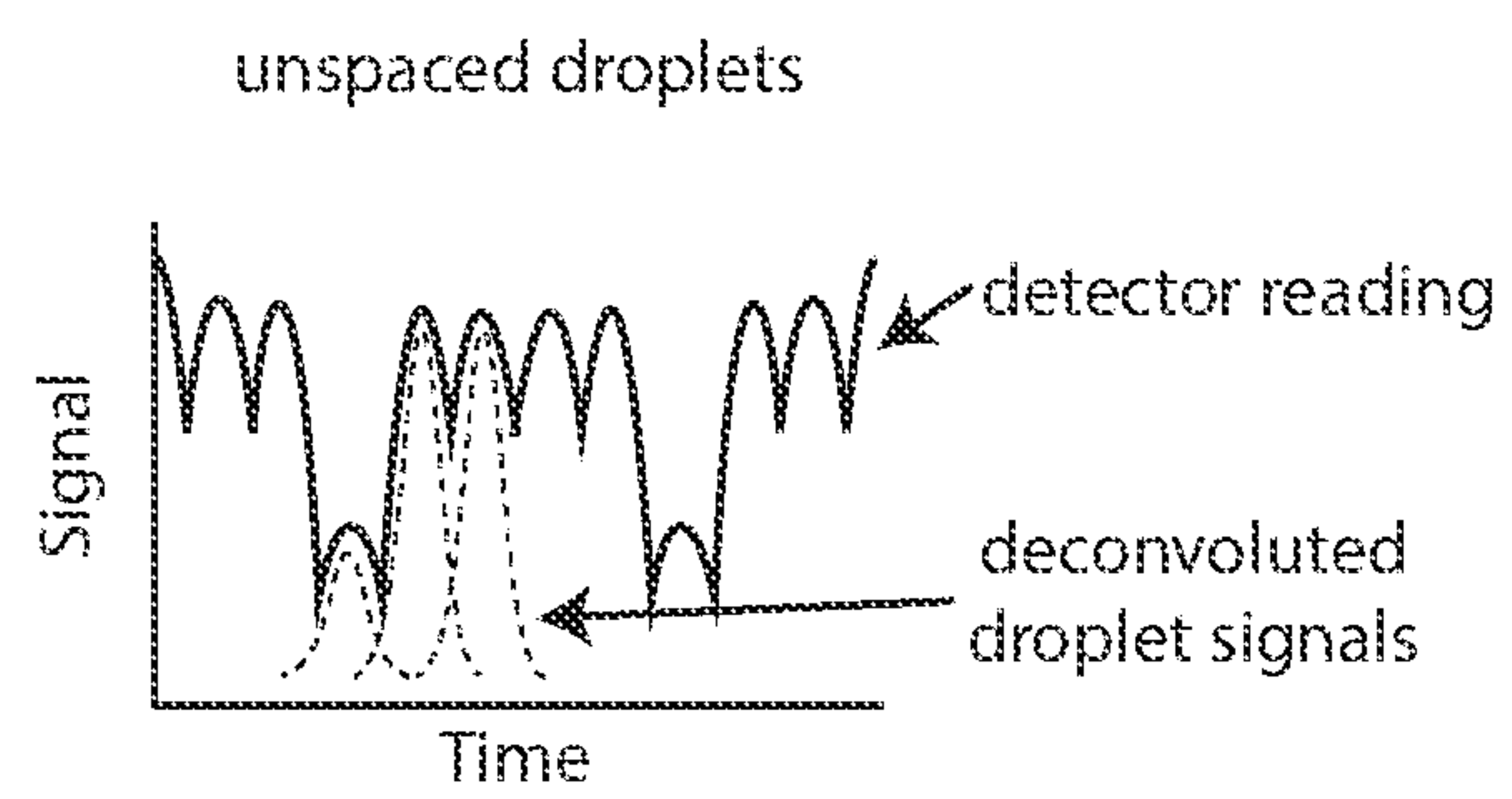
**Figure 59**

**Figure 60**

**Figure 61**

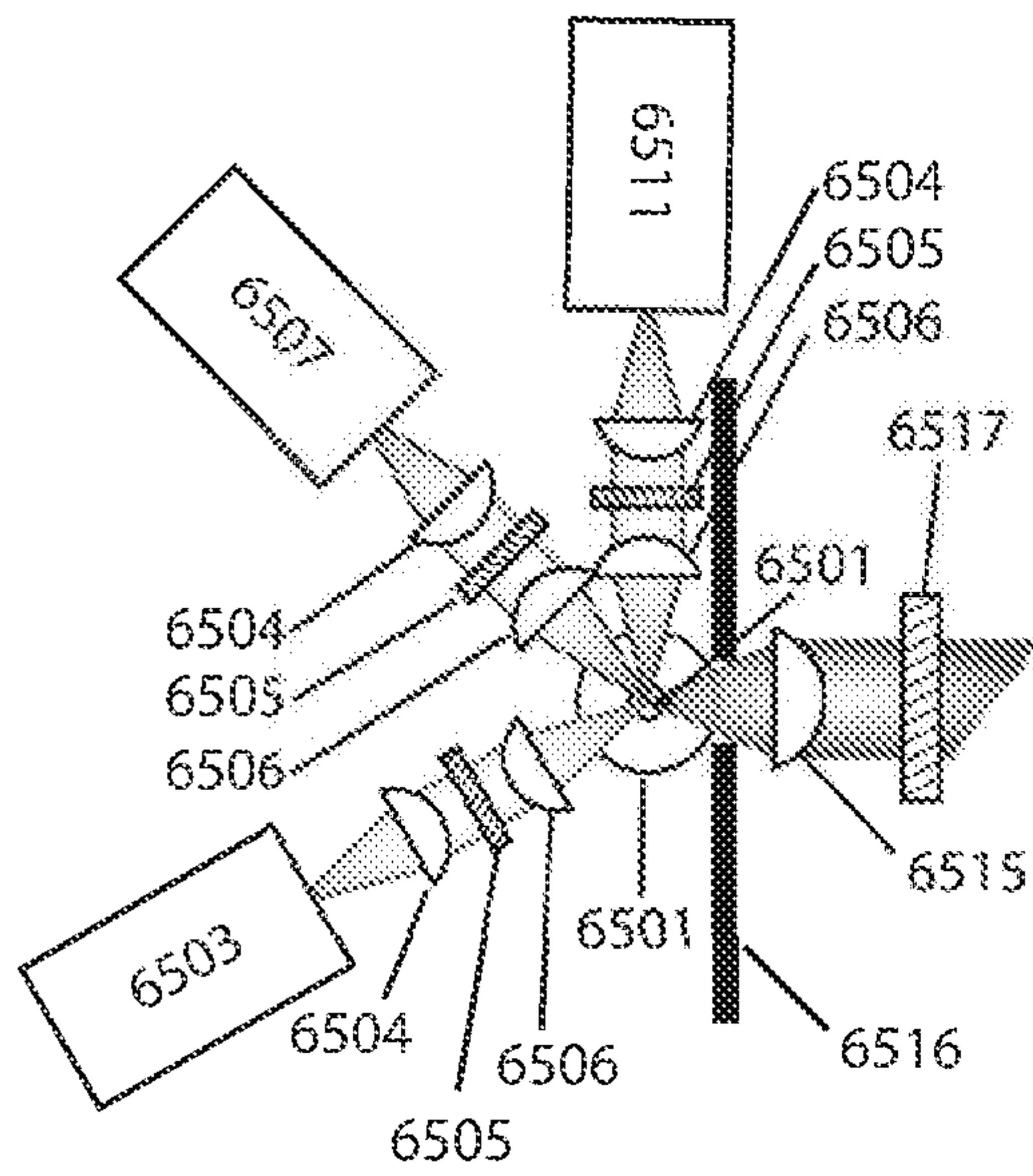
**Figure 62**

**Figure 63**

**Figure 64**

a

Not Folded
Aperature

**b**

Folded
Aperature

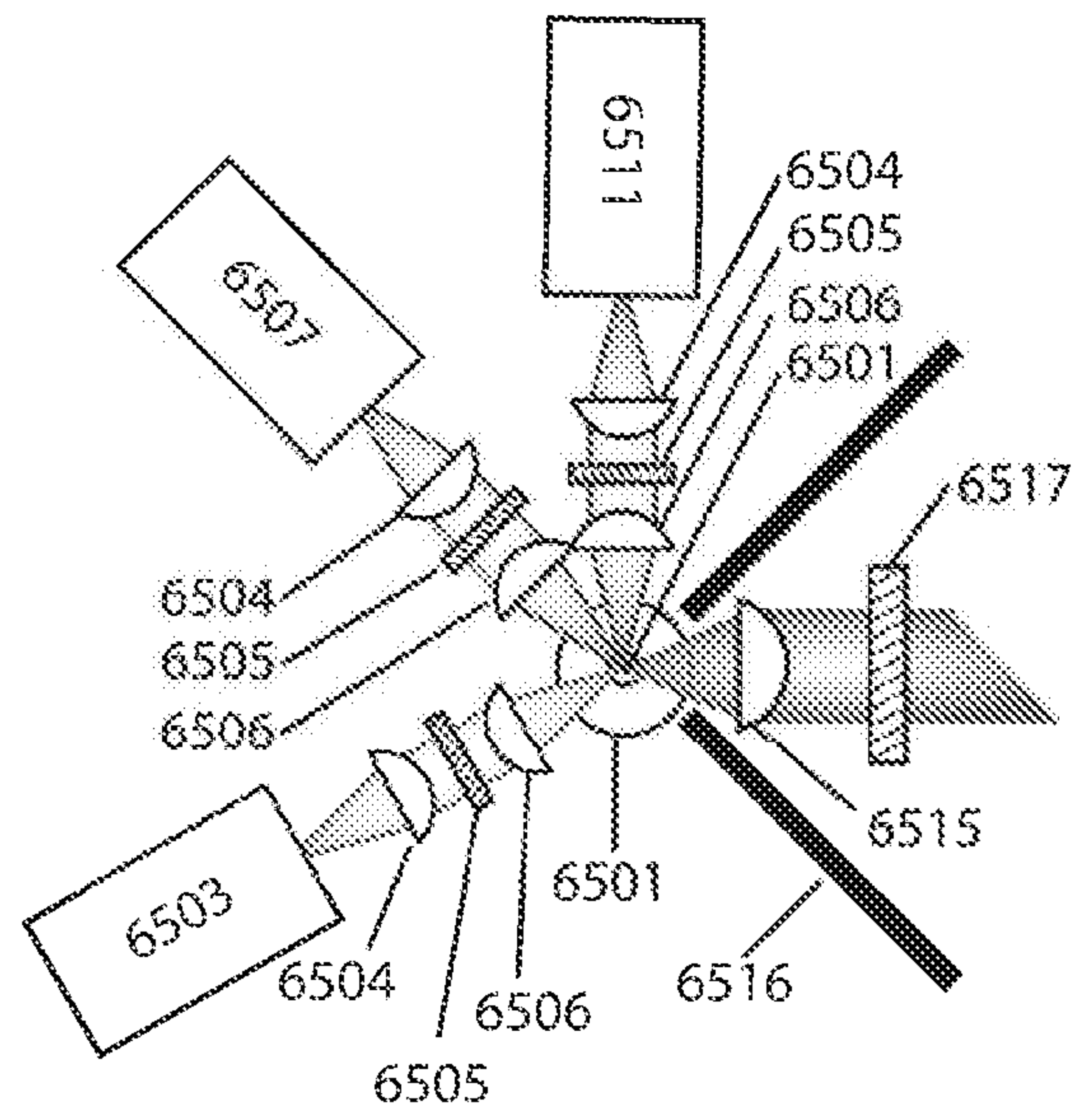
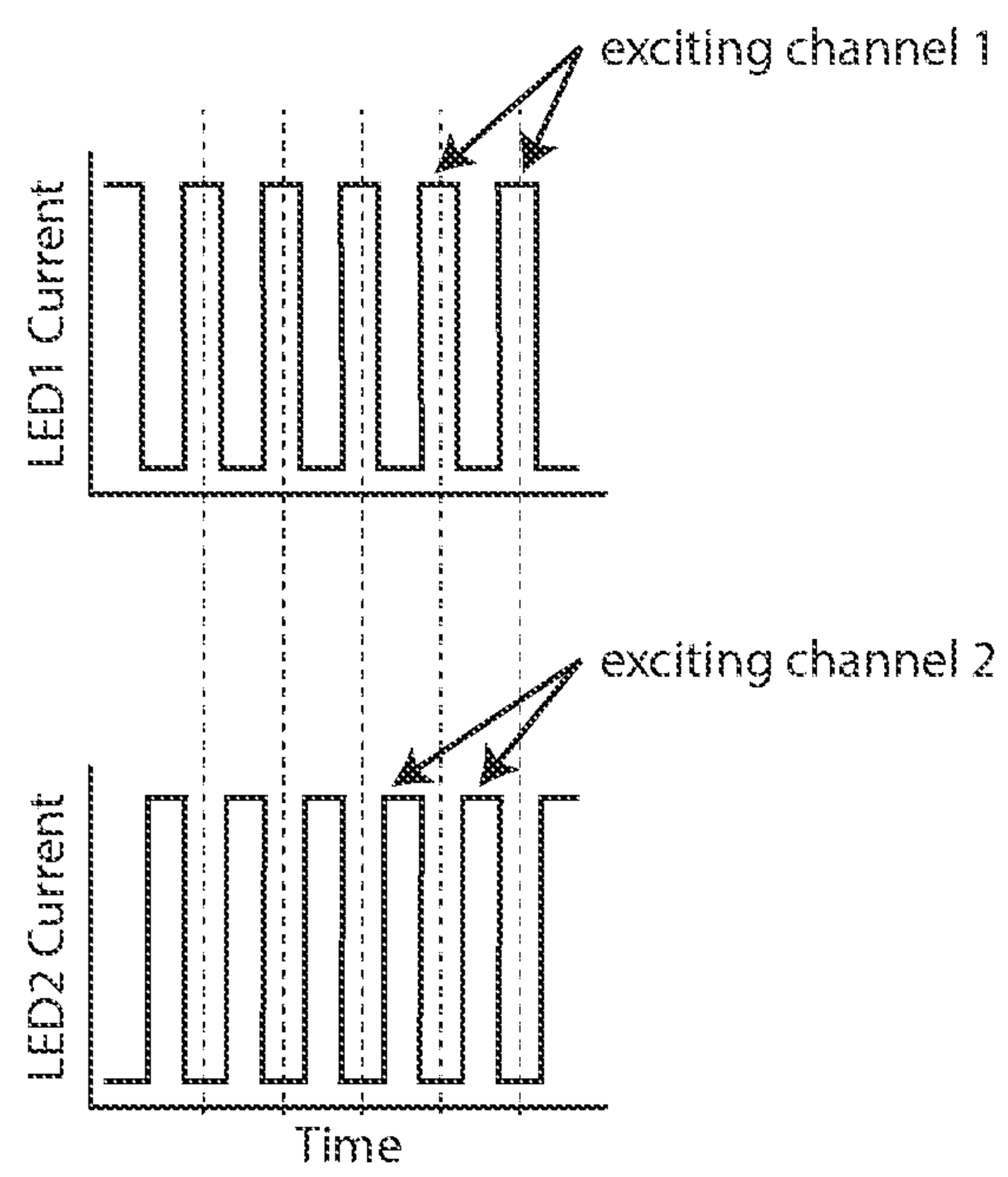
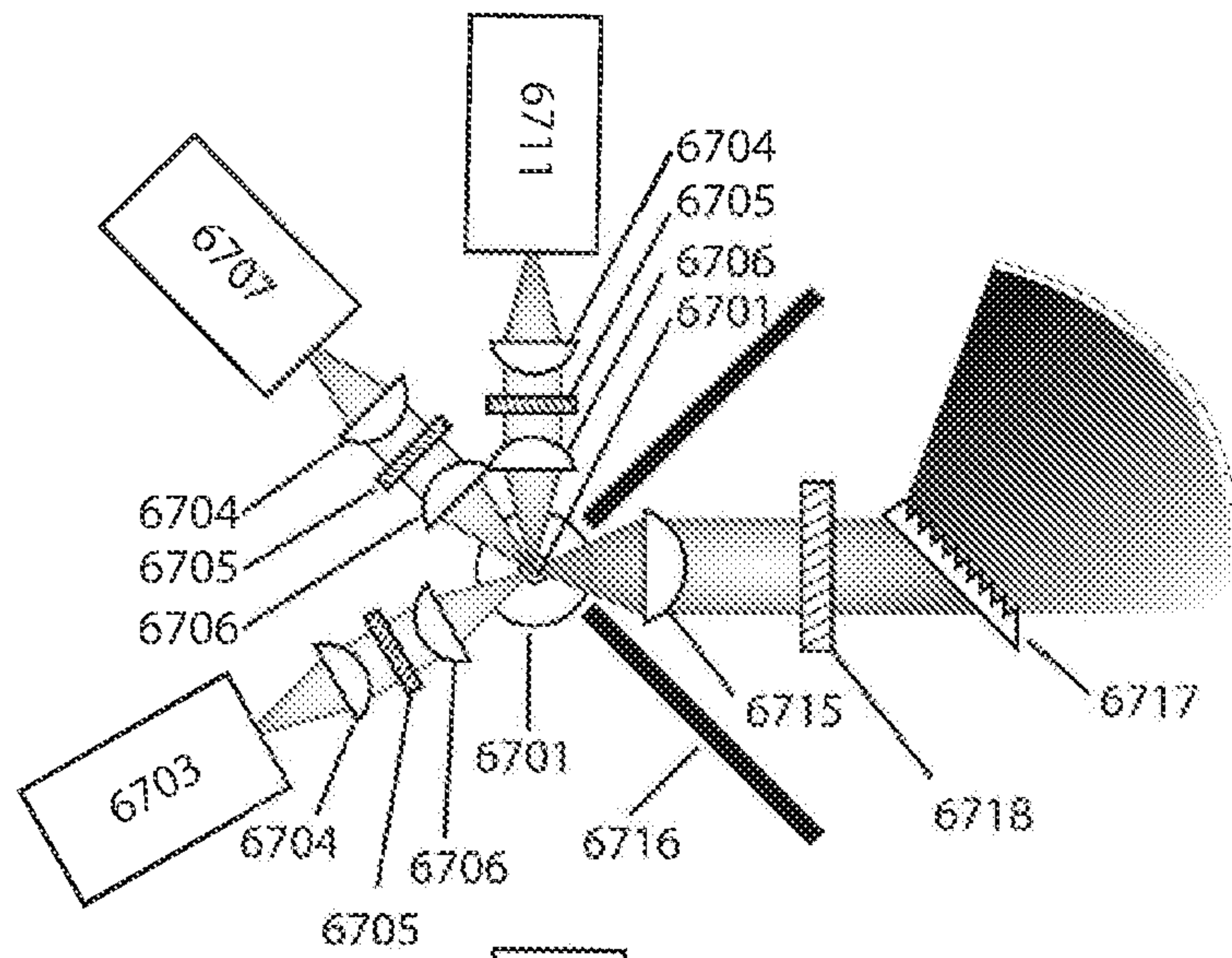
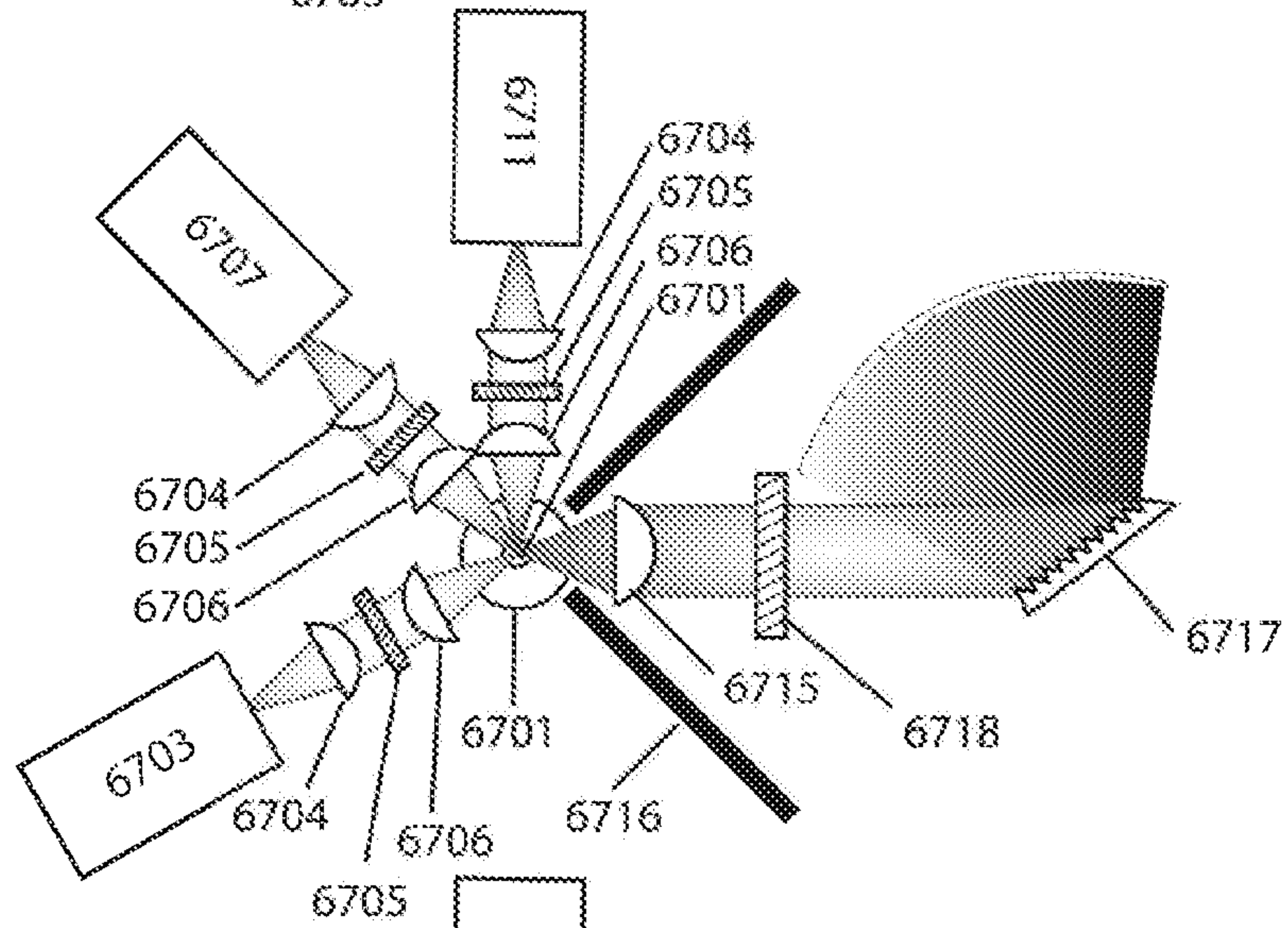
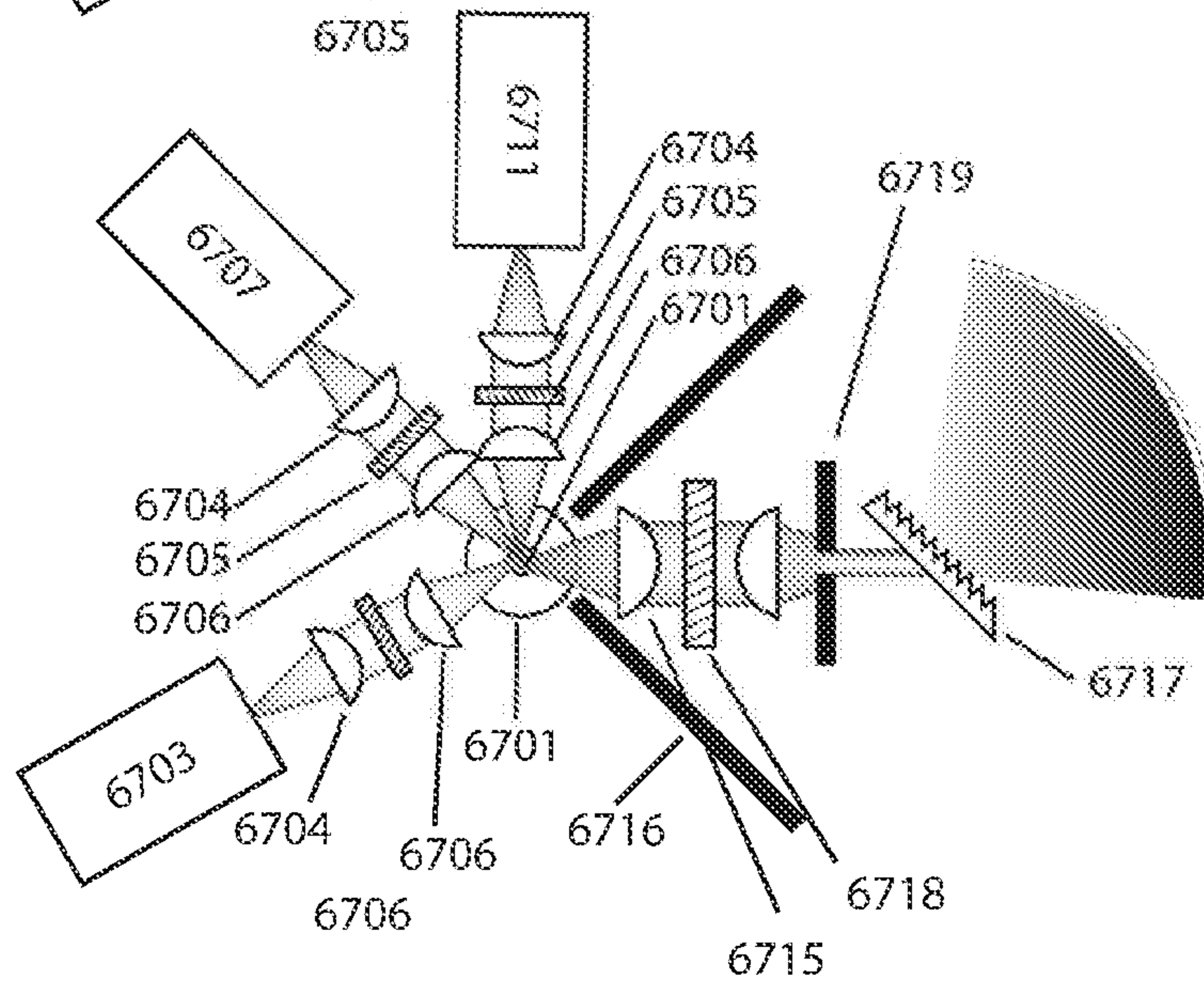
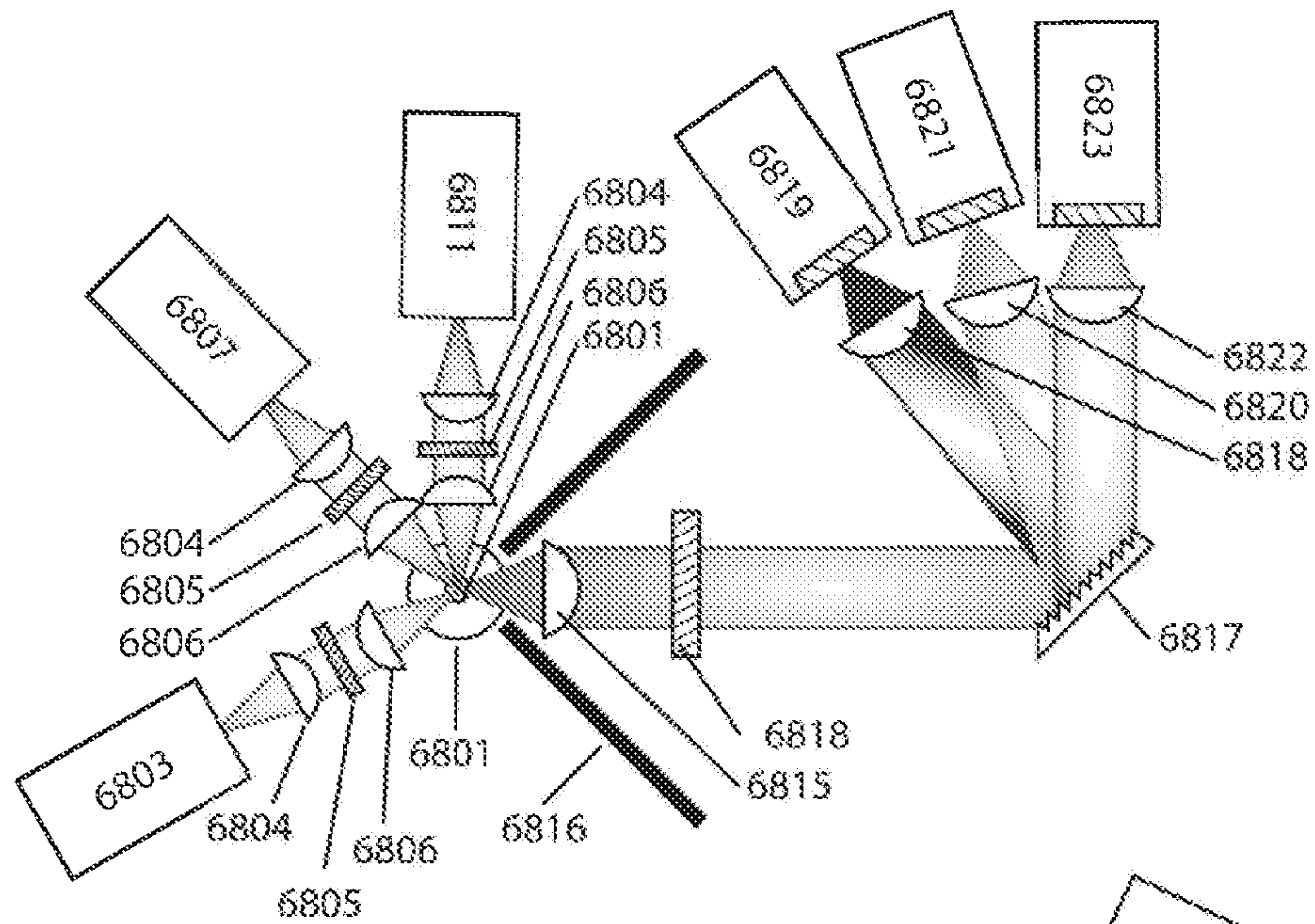
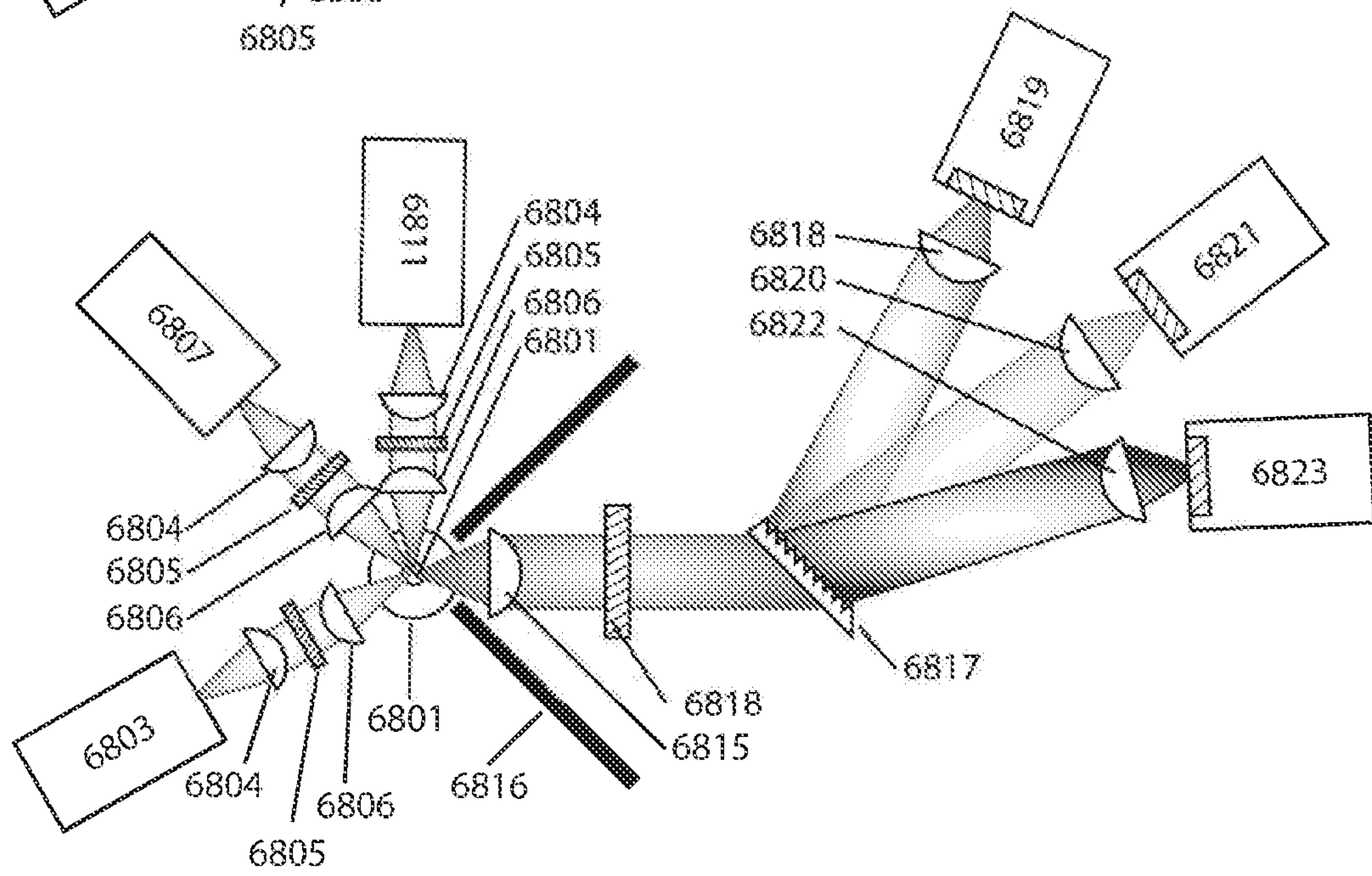
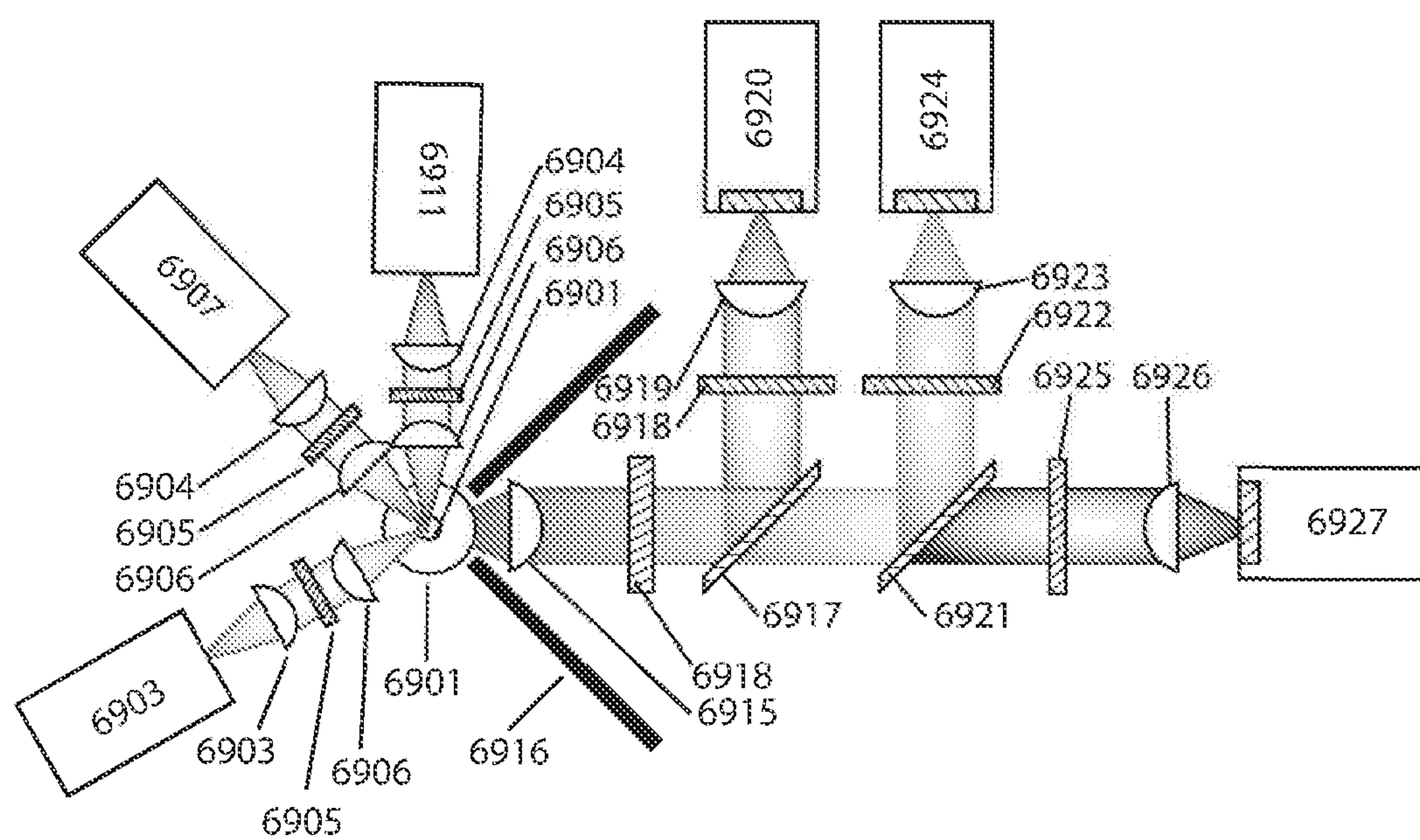


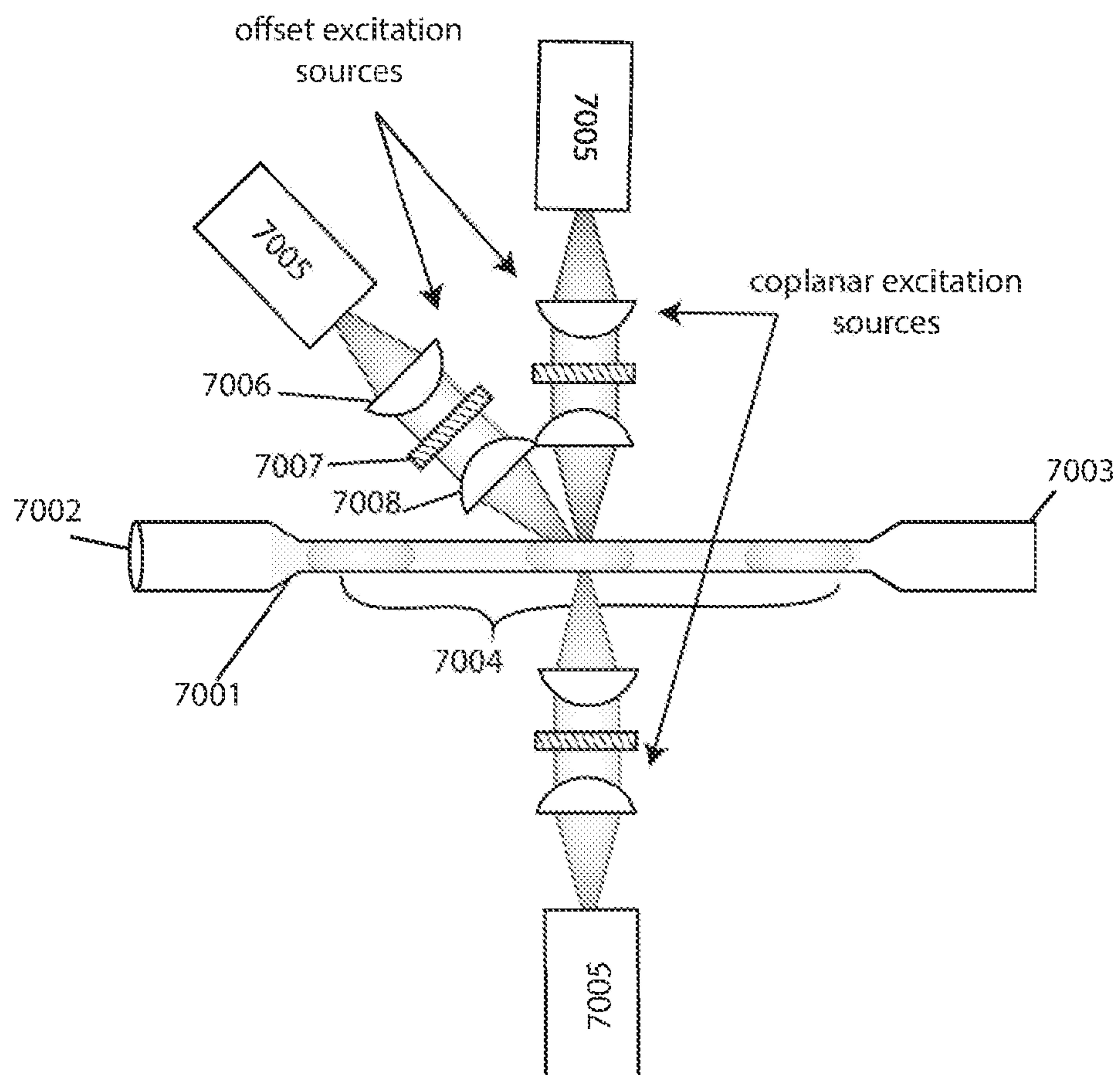
Figure 65

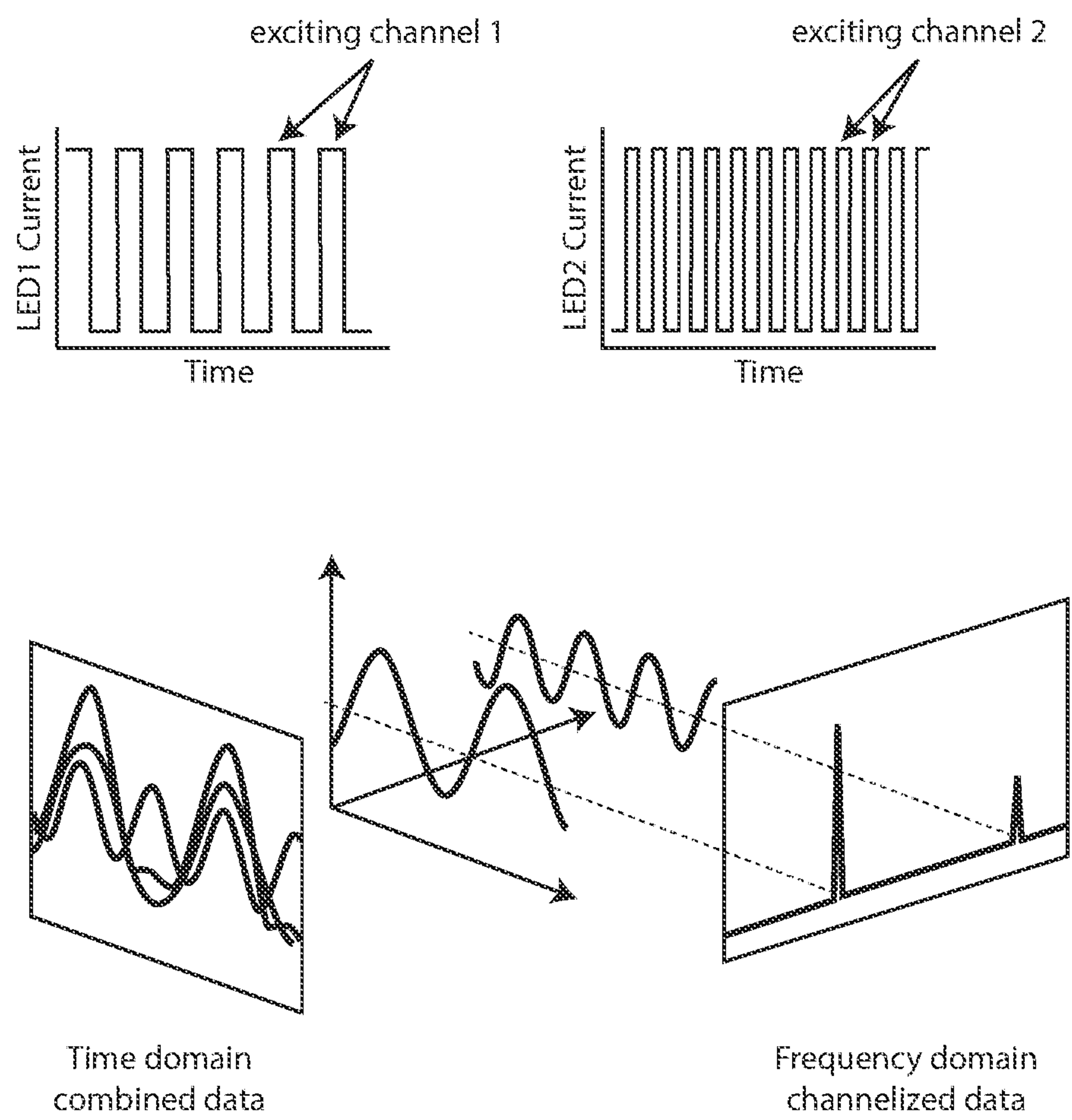
**Figure 66**

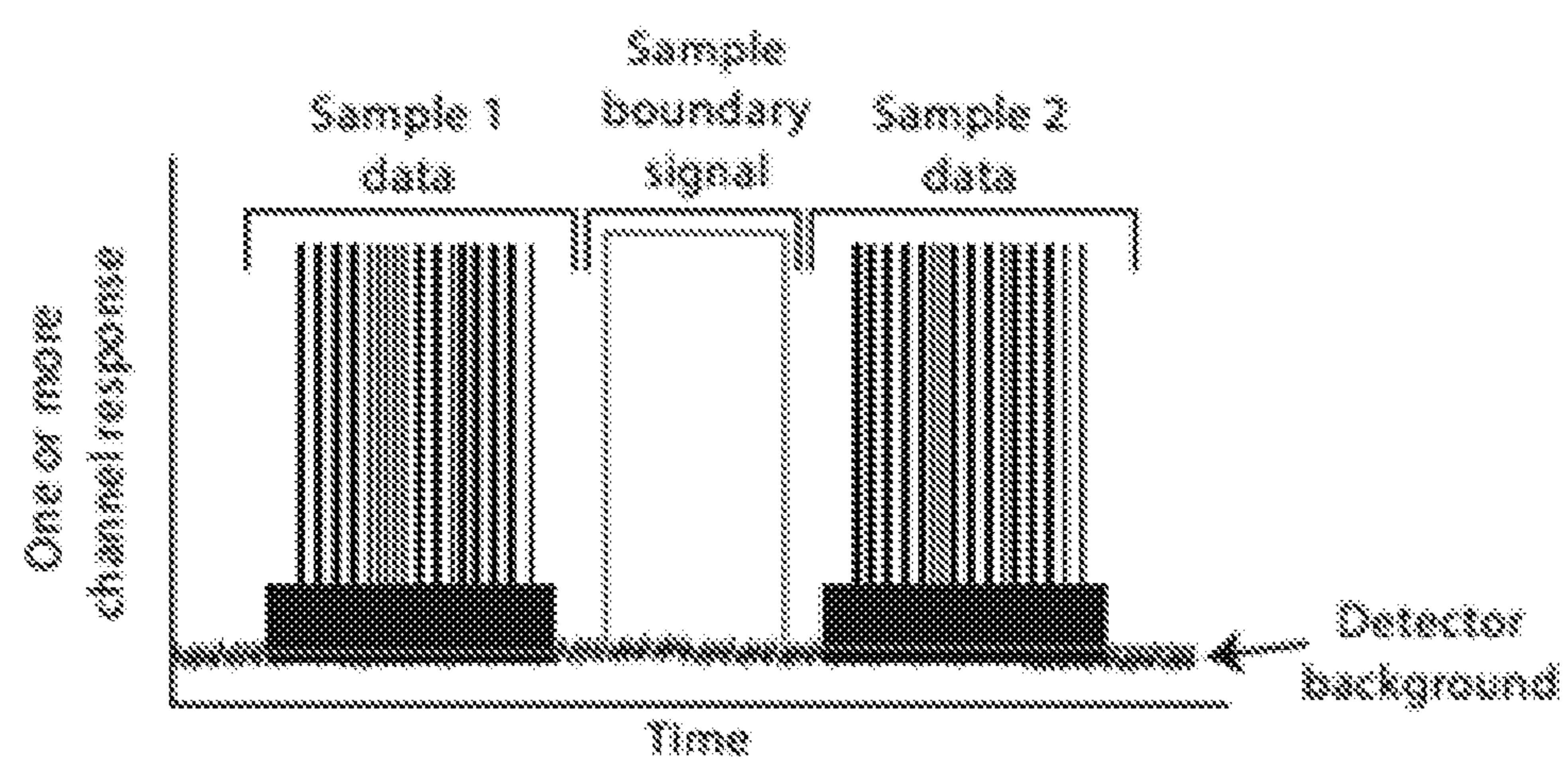
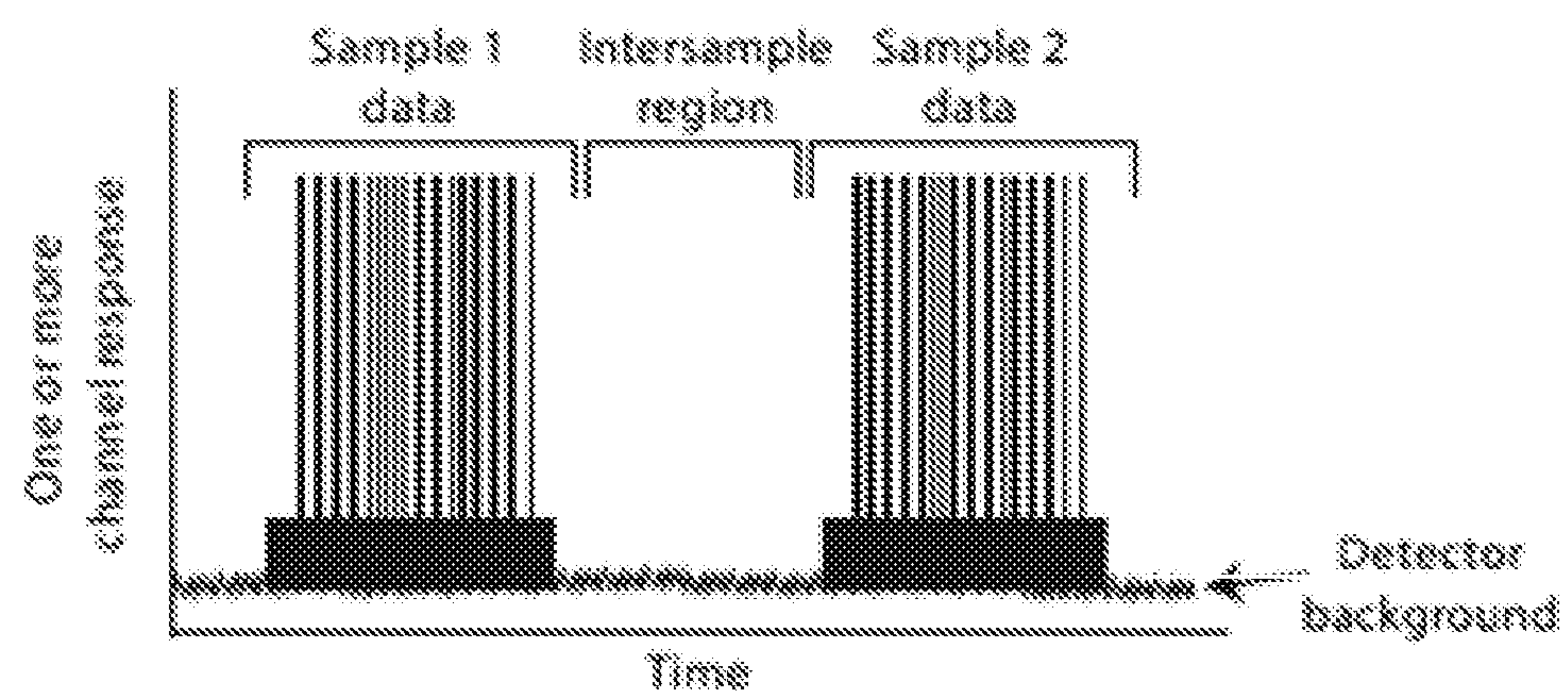
a**b****c****Figure 67**

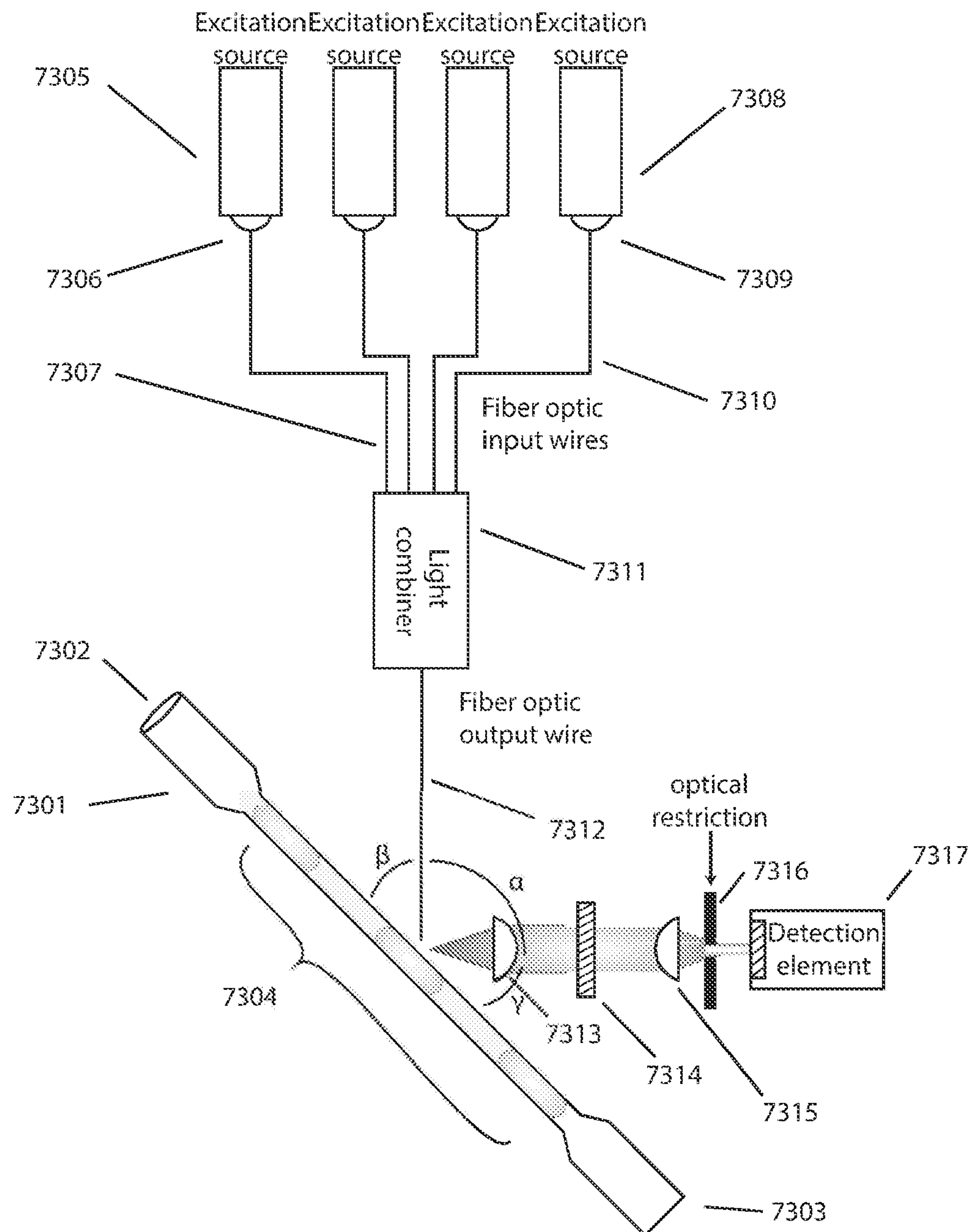
a**b****Figure 68**

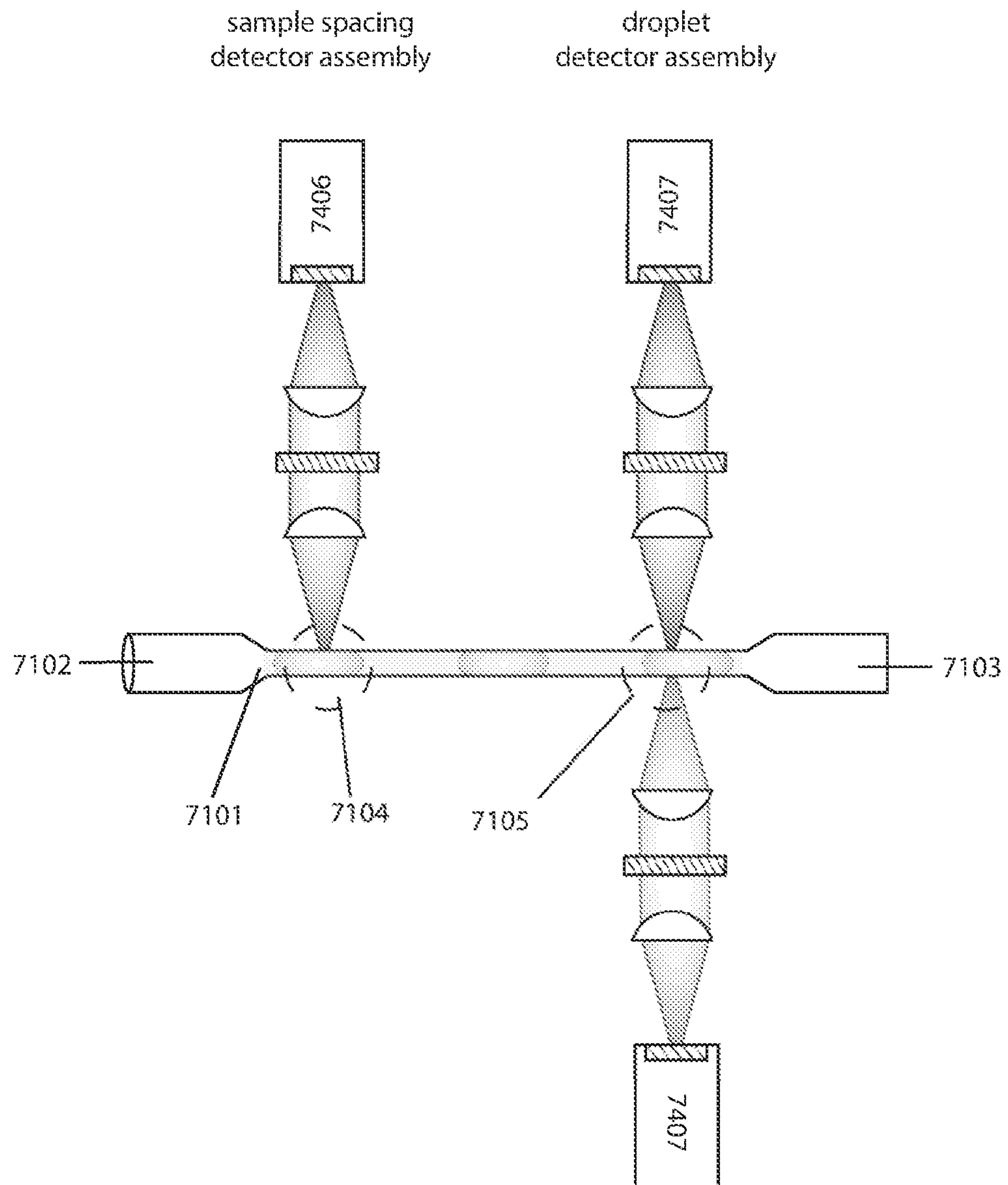
**Figure 69**

**Figure 70**

**Figure 71**

**Figure 72**

**Figure 73**

**Figure 74**

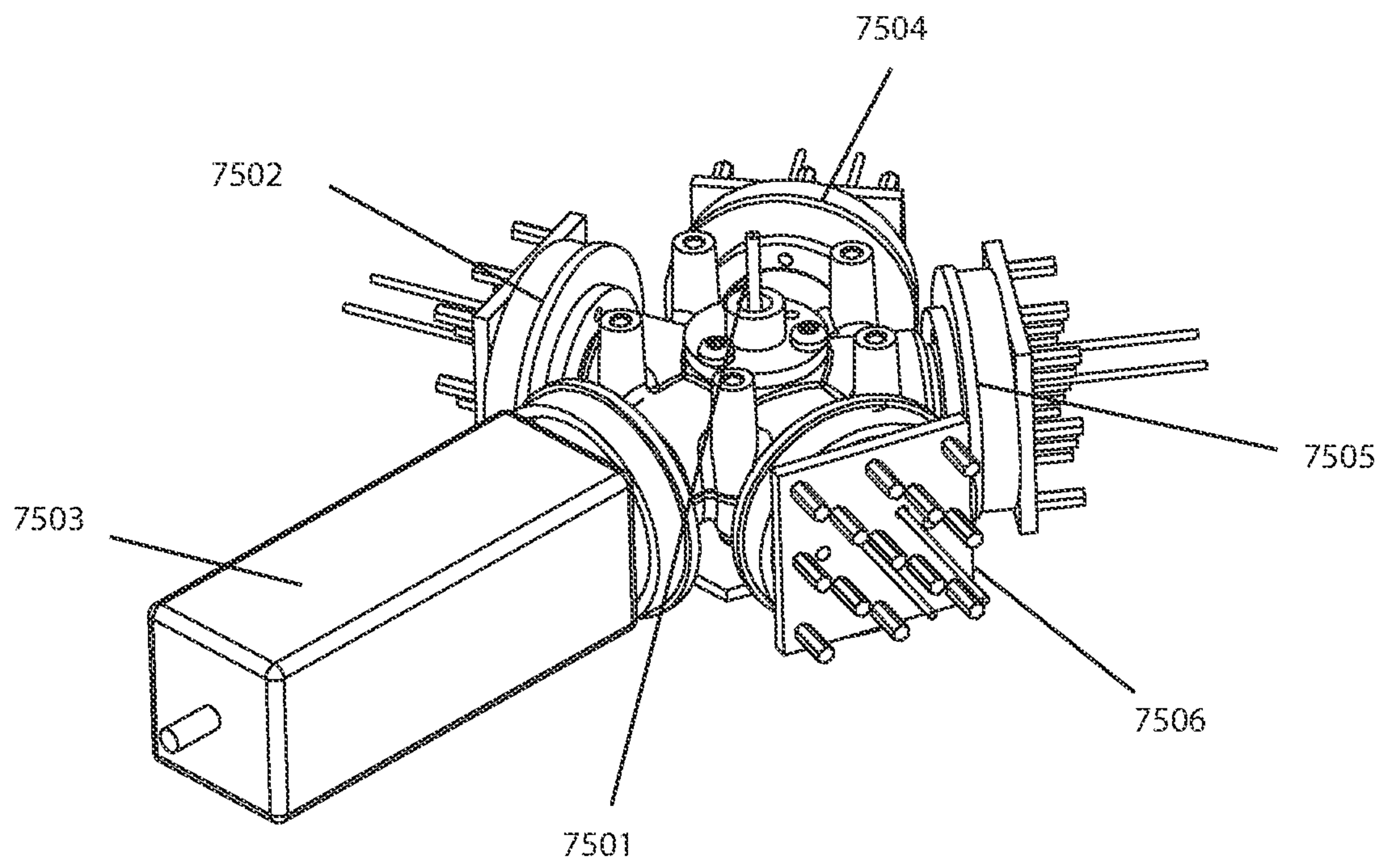
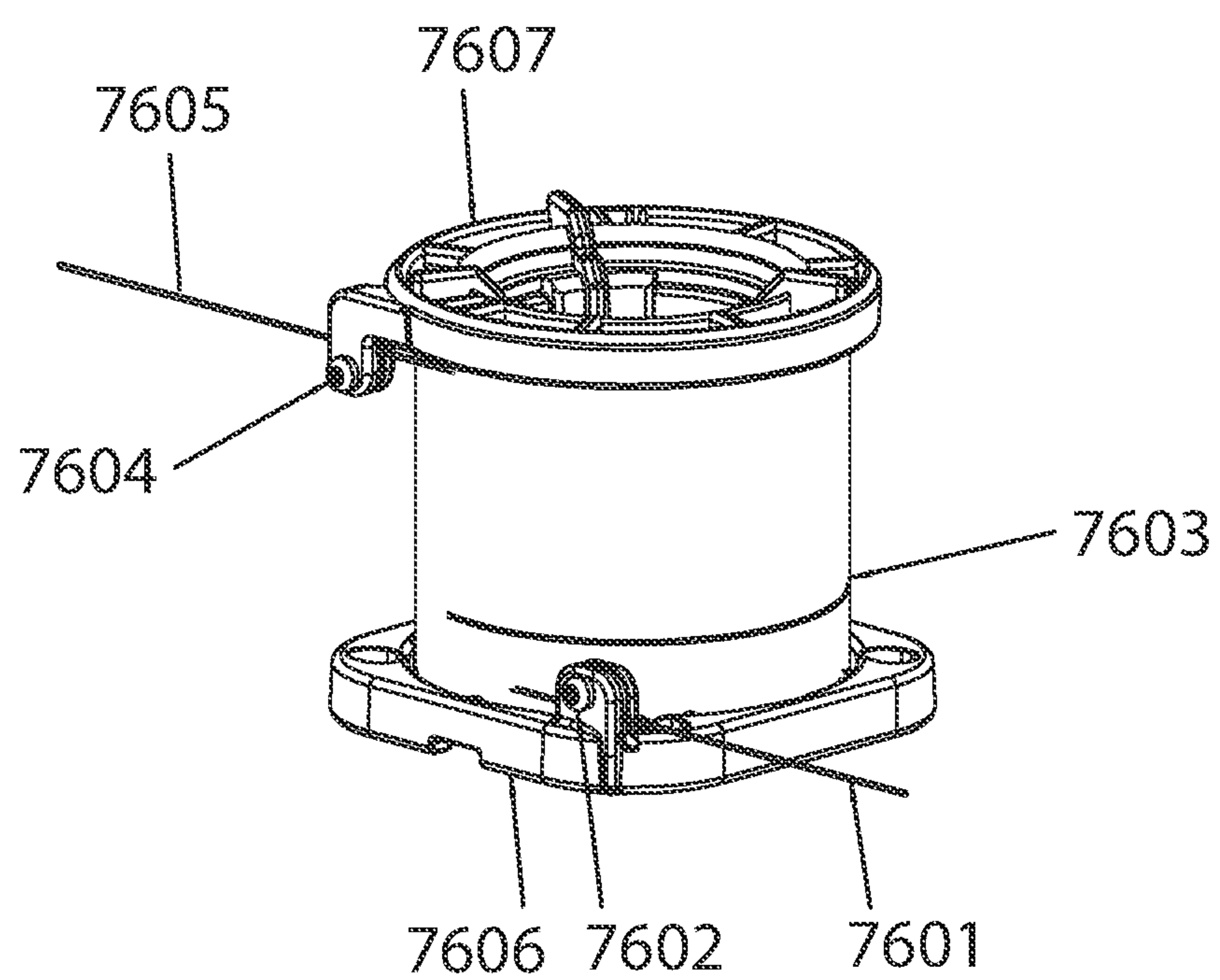
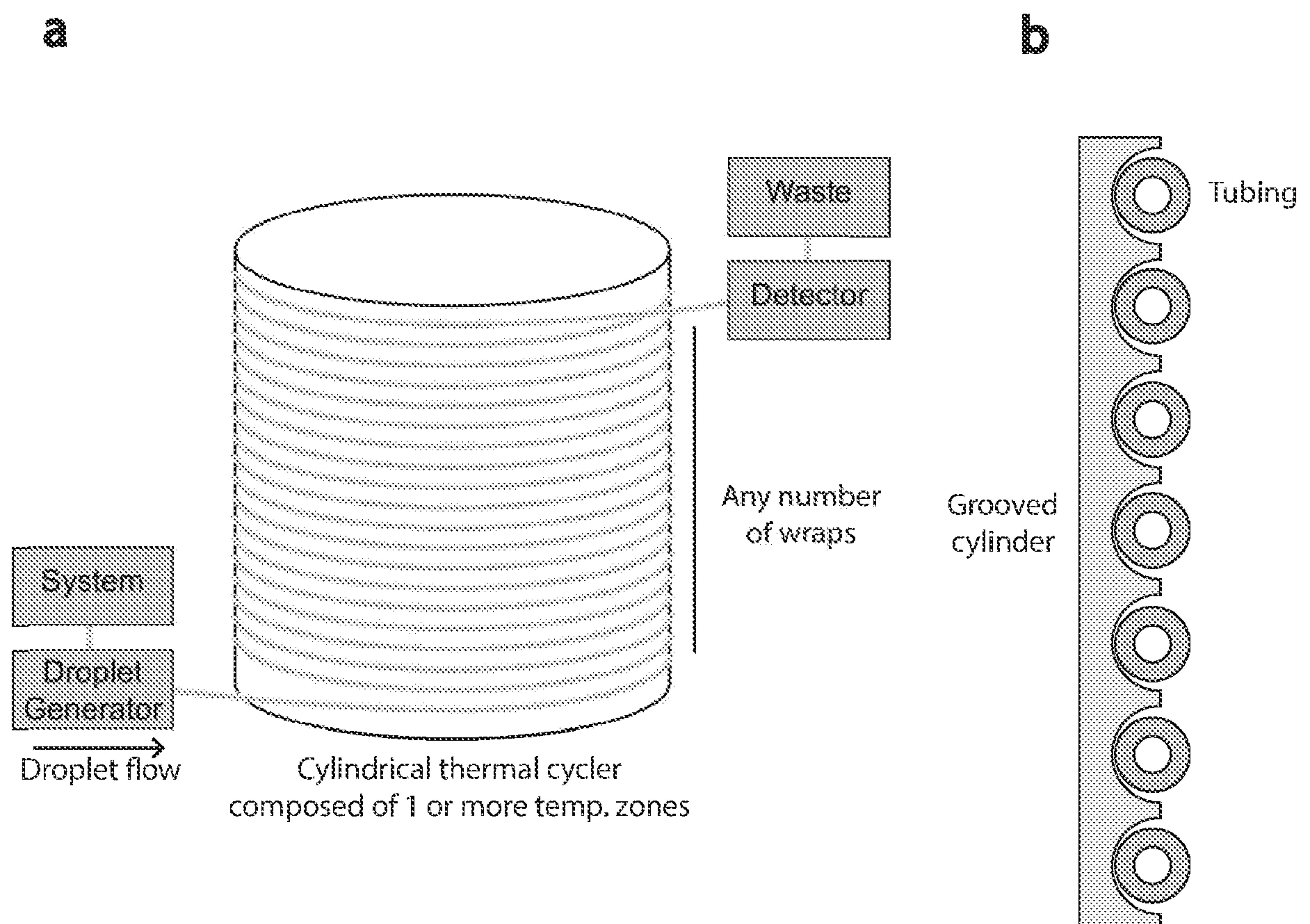
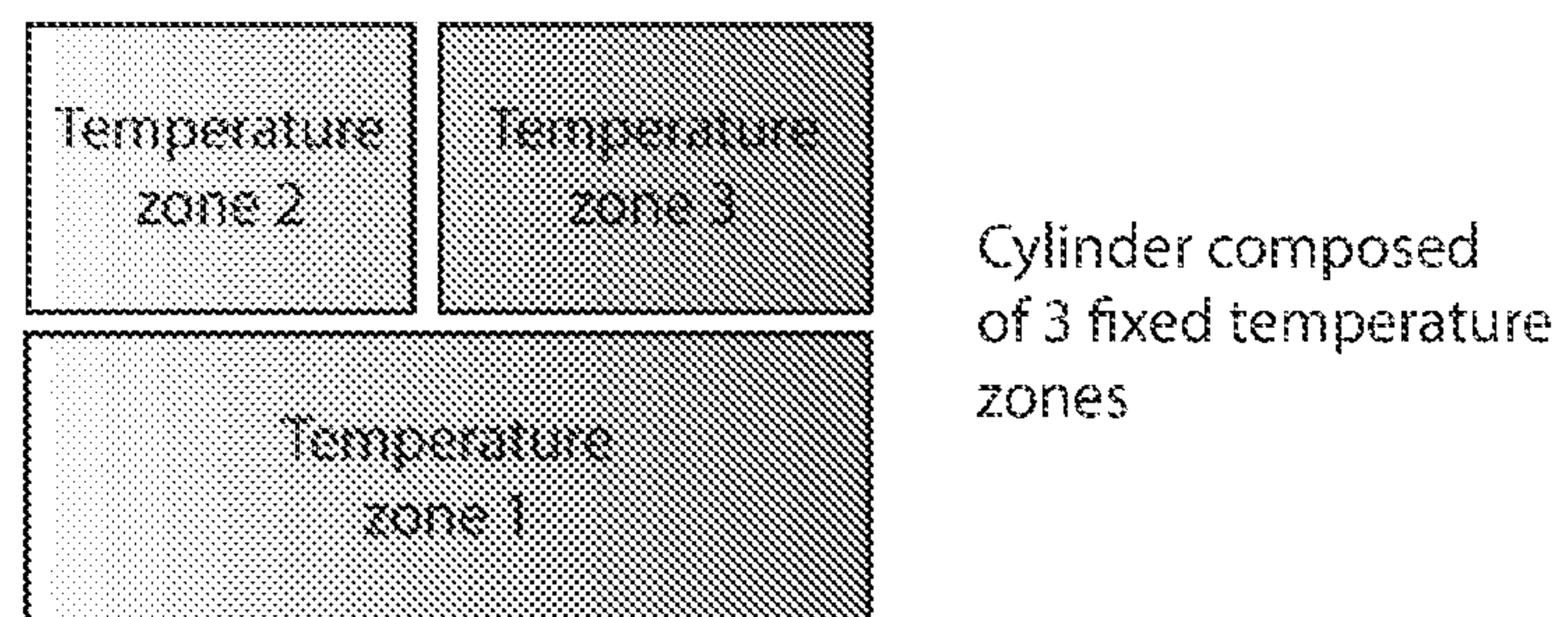
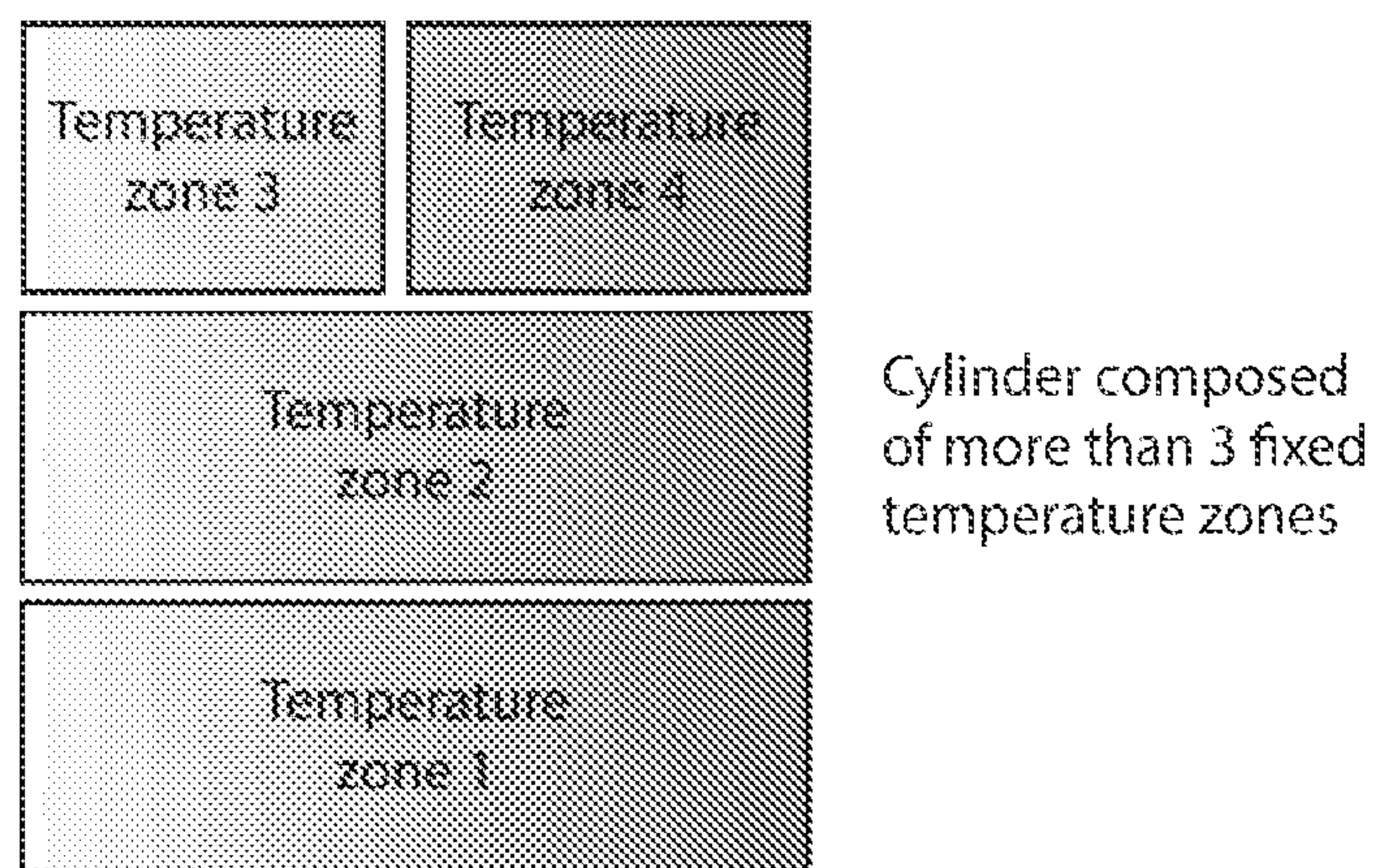


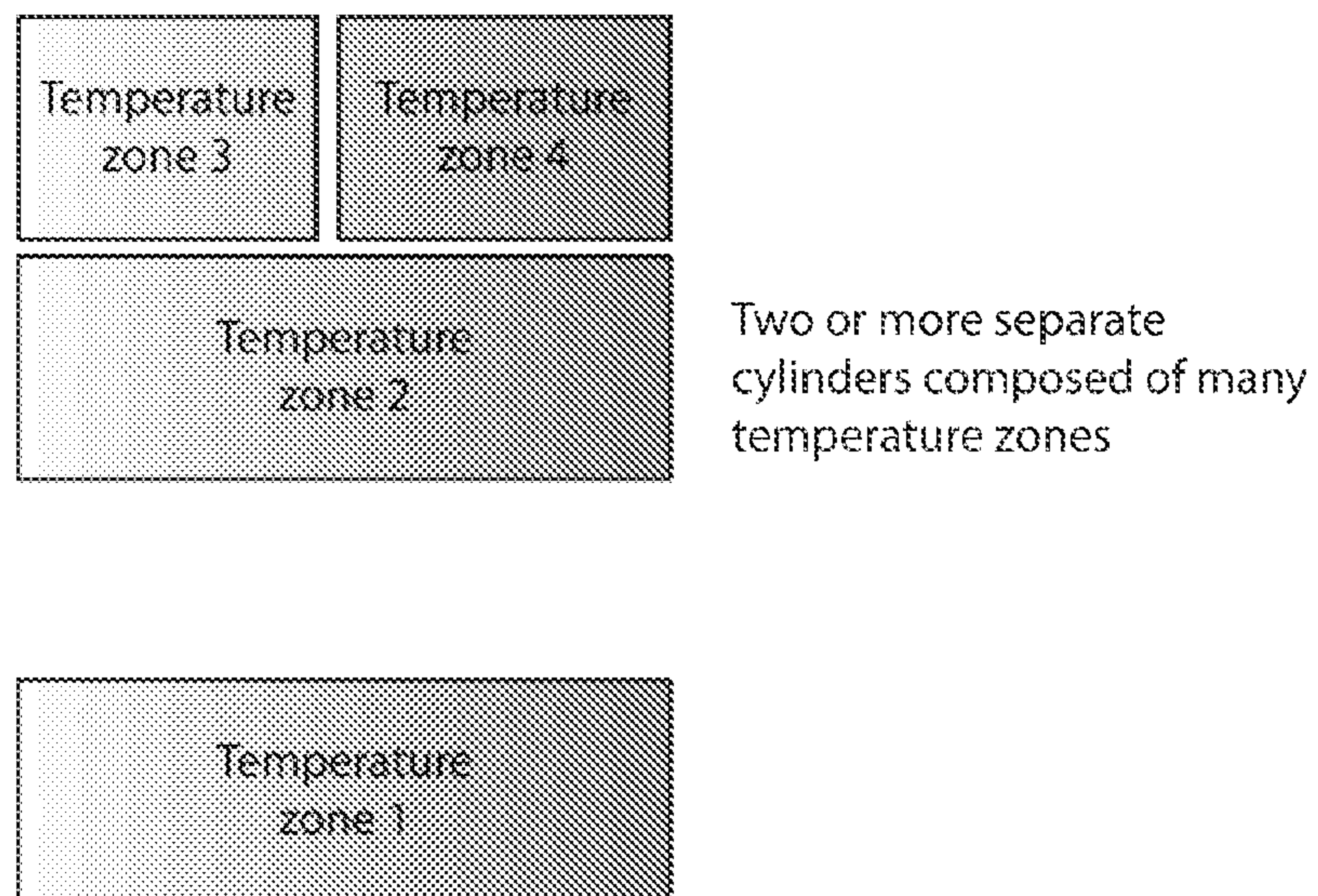
Figure 75

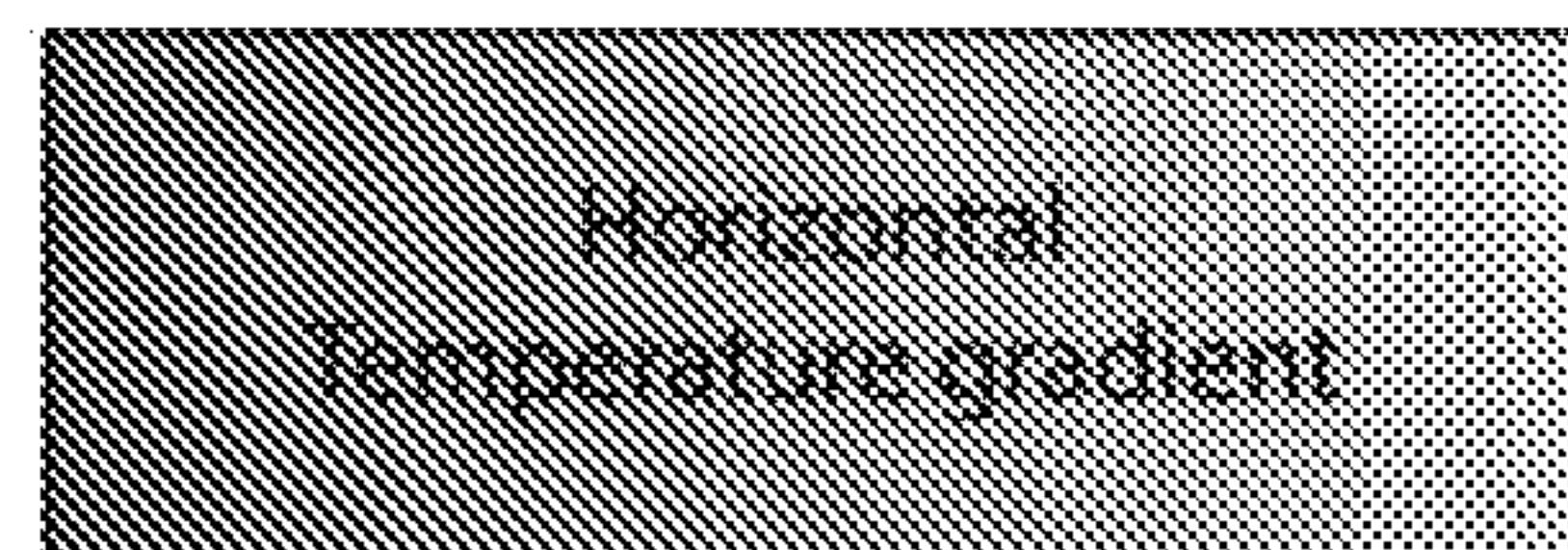
**Figure 76**

**Figure 77**

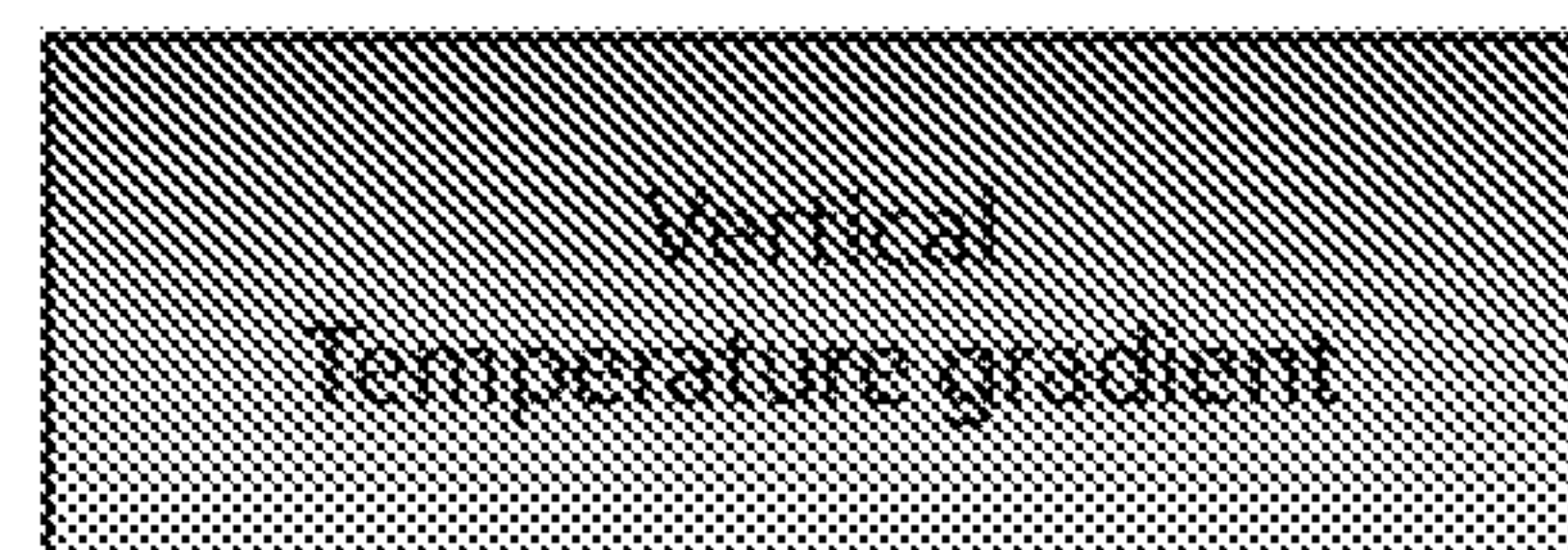
**Figure 78**

**Figure 79**

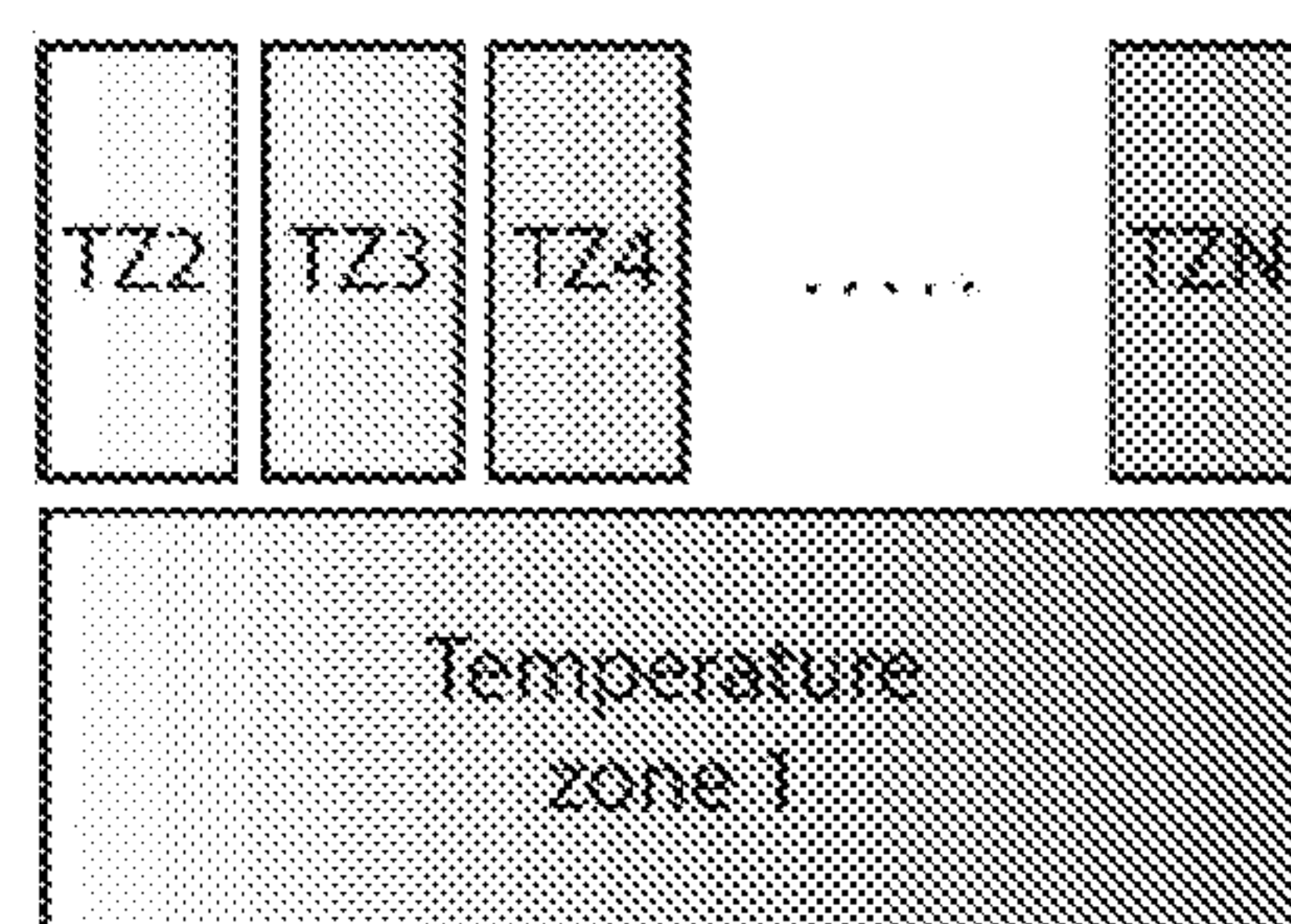
**Figure 80**

a

Increasing/decreasing temperature across a zone
within a PCR cycle

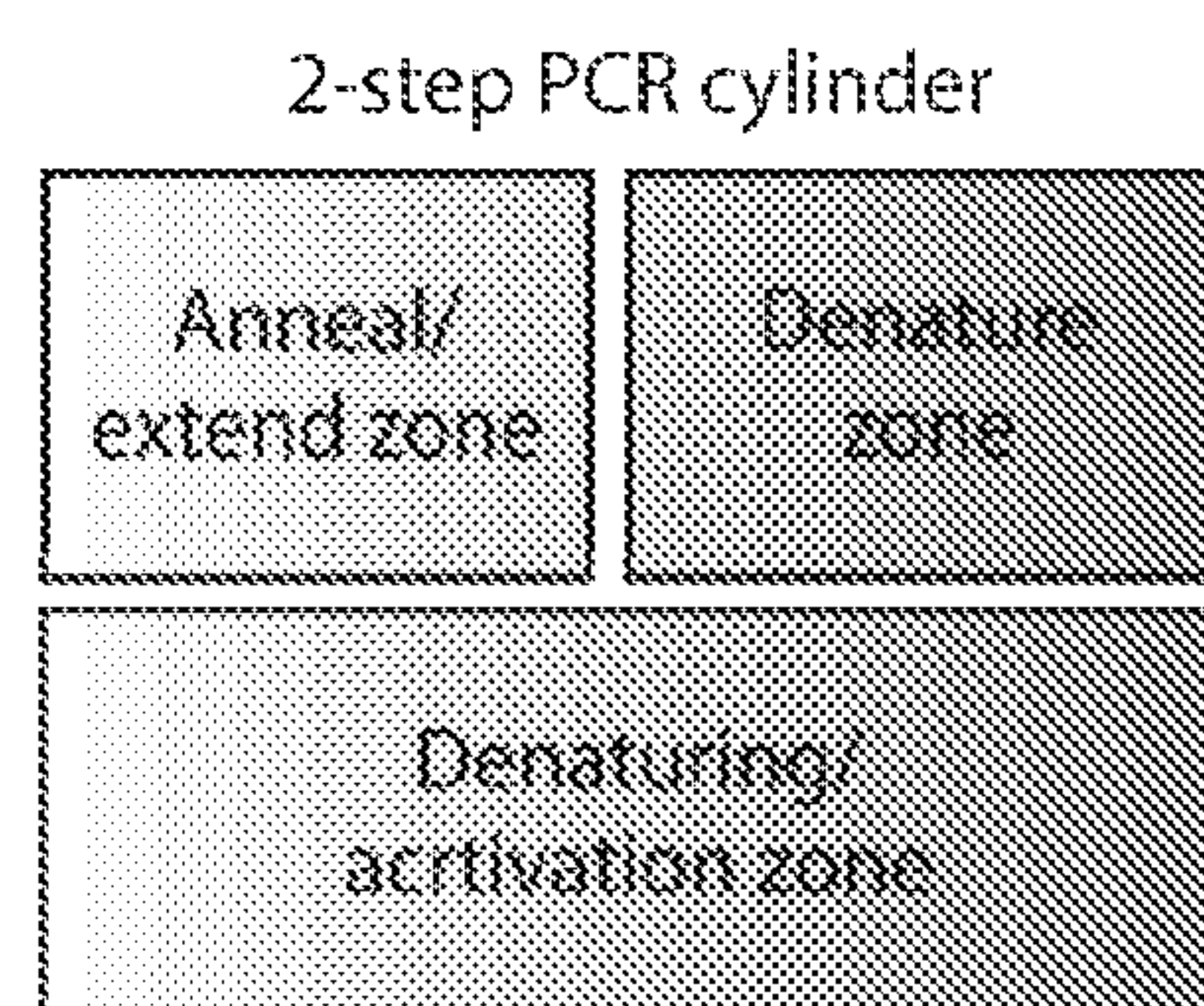
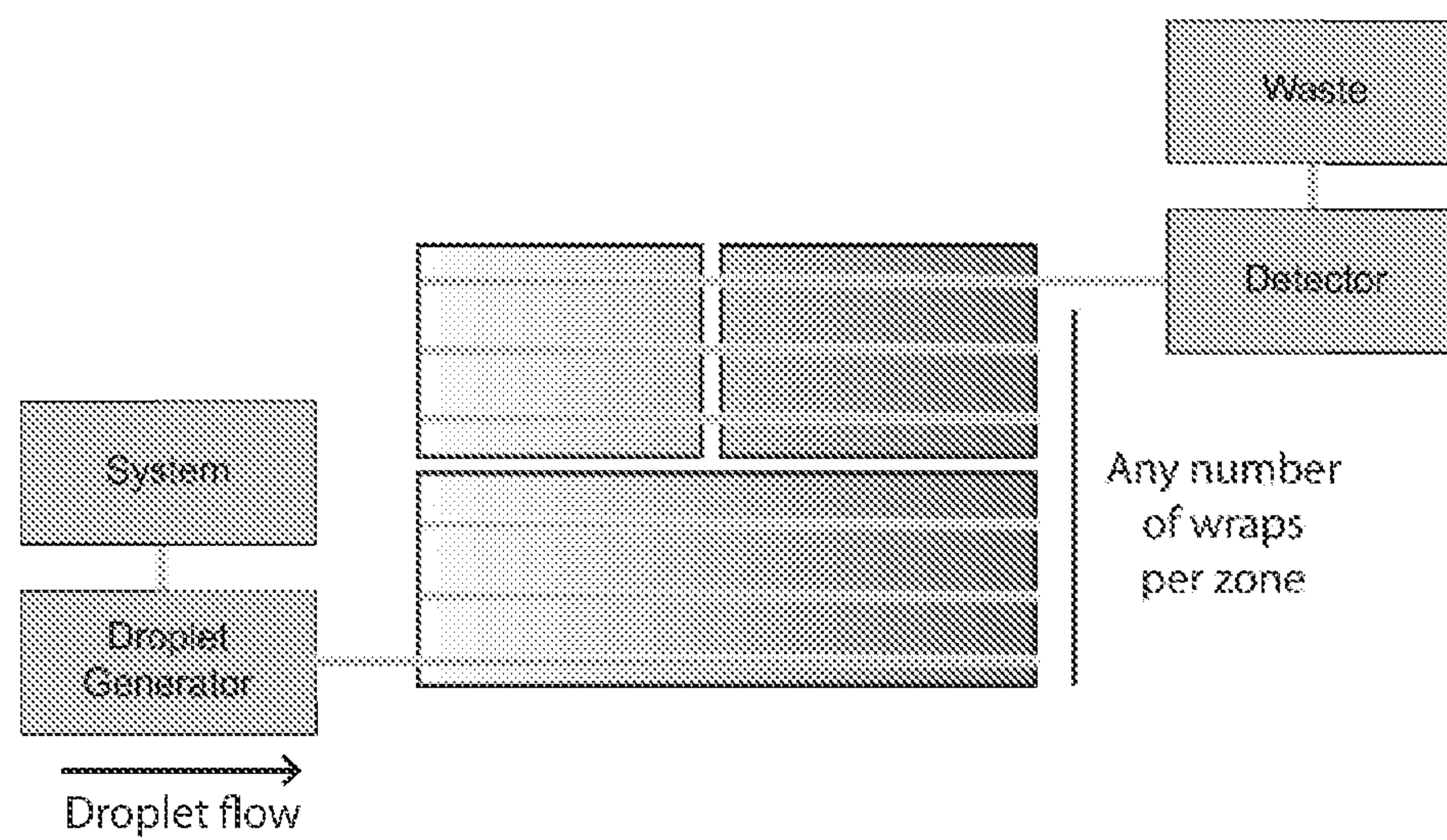
b

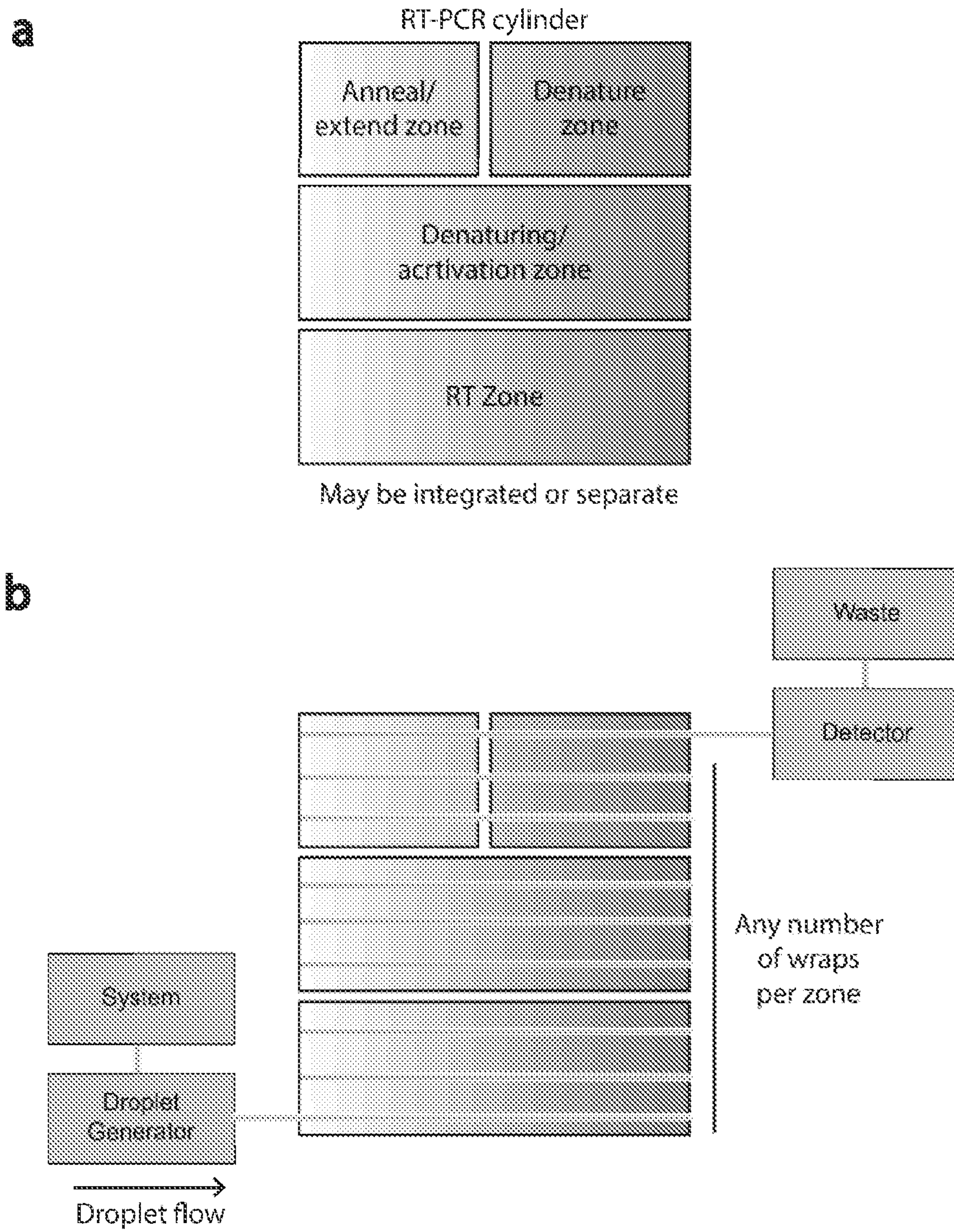
Increasing/decreasing temperature across a zone
between PCR cycles

c

Cylinder composed
of many fixed
temperature zones

Figure 81

a**b****Figure 82**

**Figure 83**

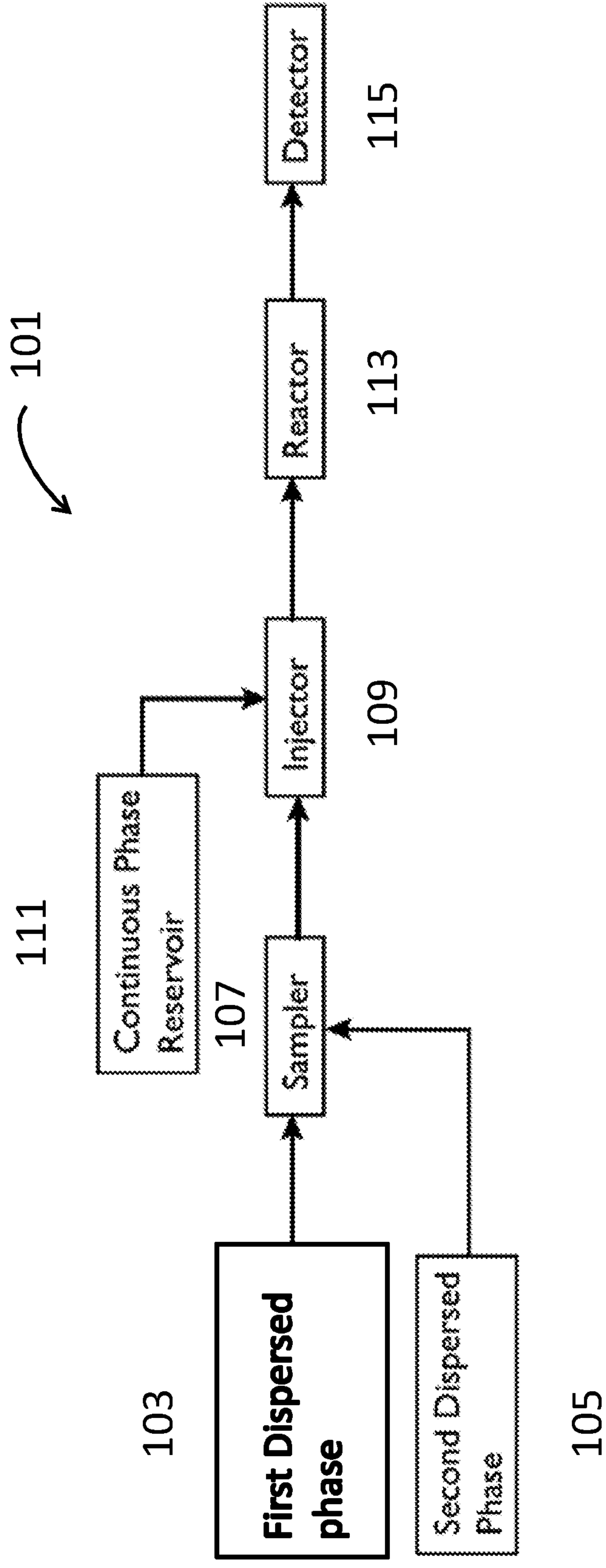


Fig. 84

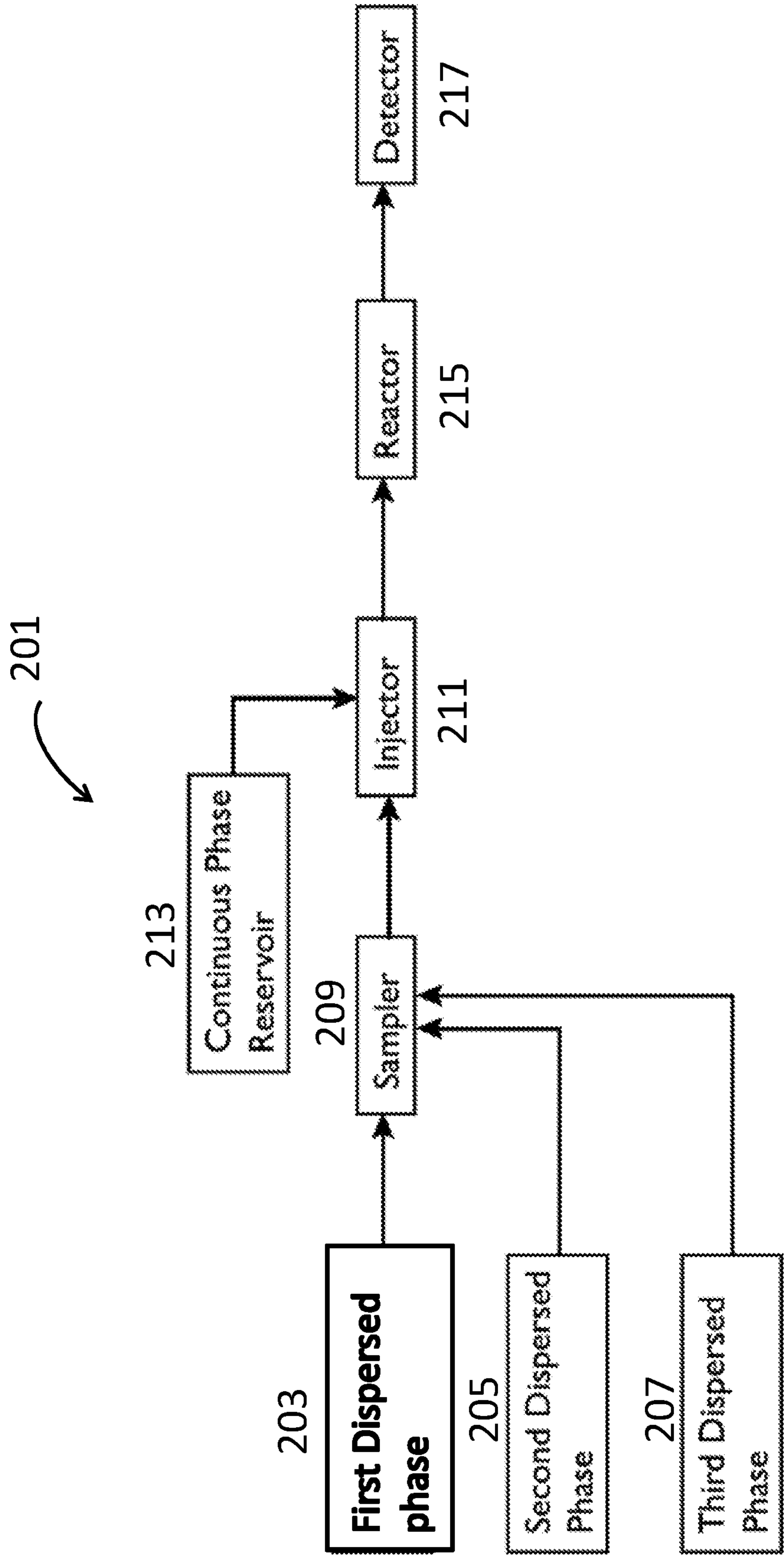


Fig. 85

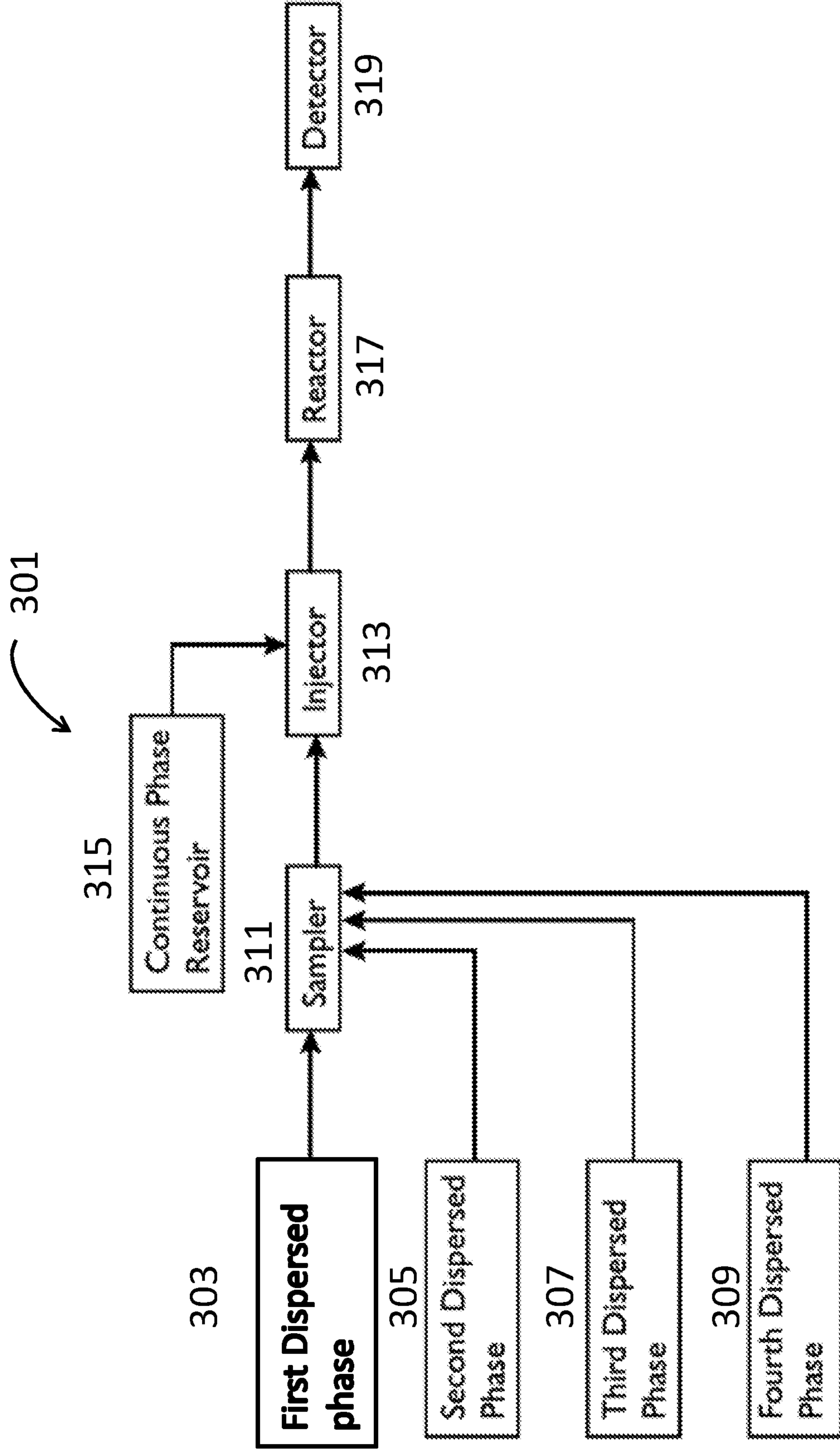
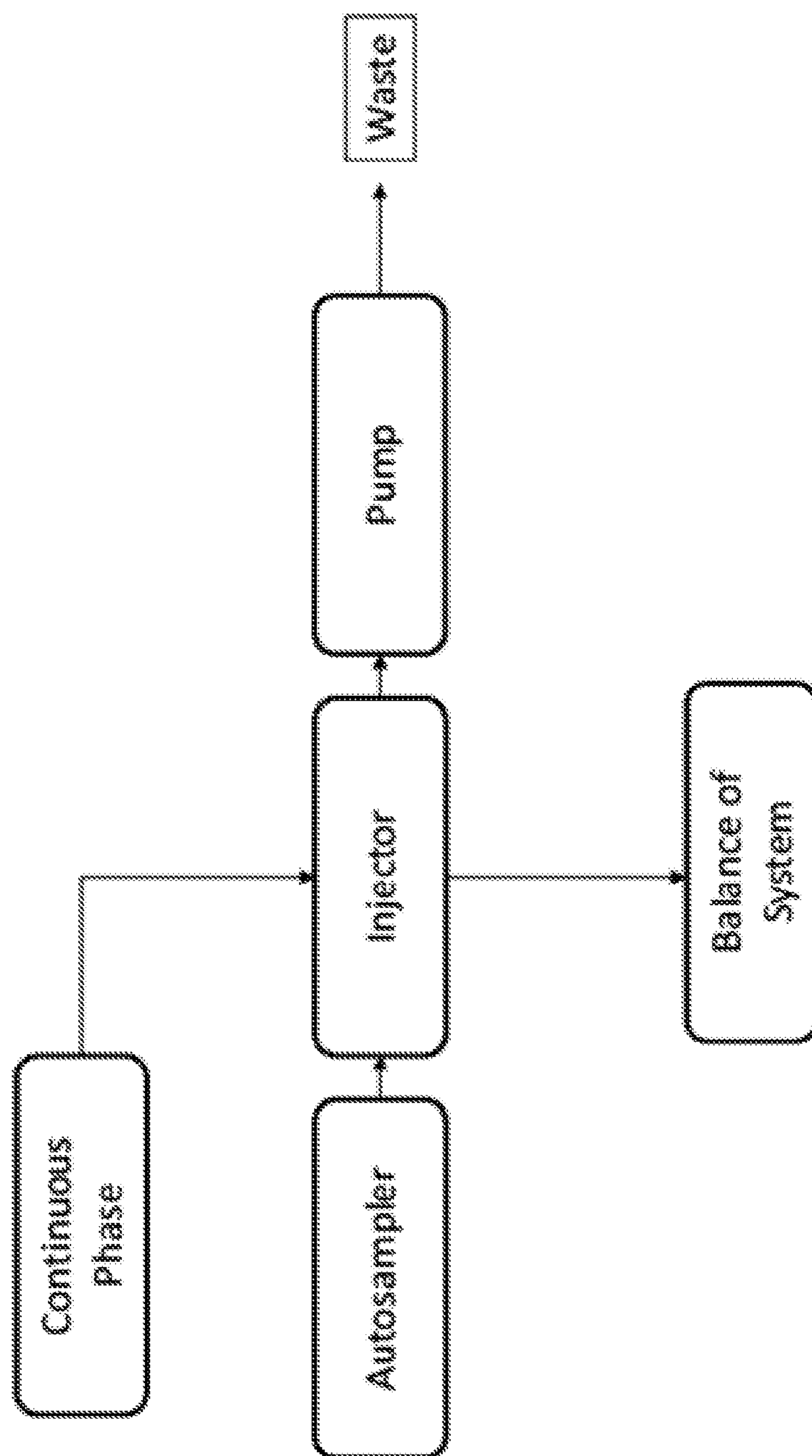


Fig. 86

**Fig. 87**

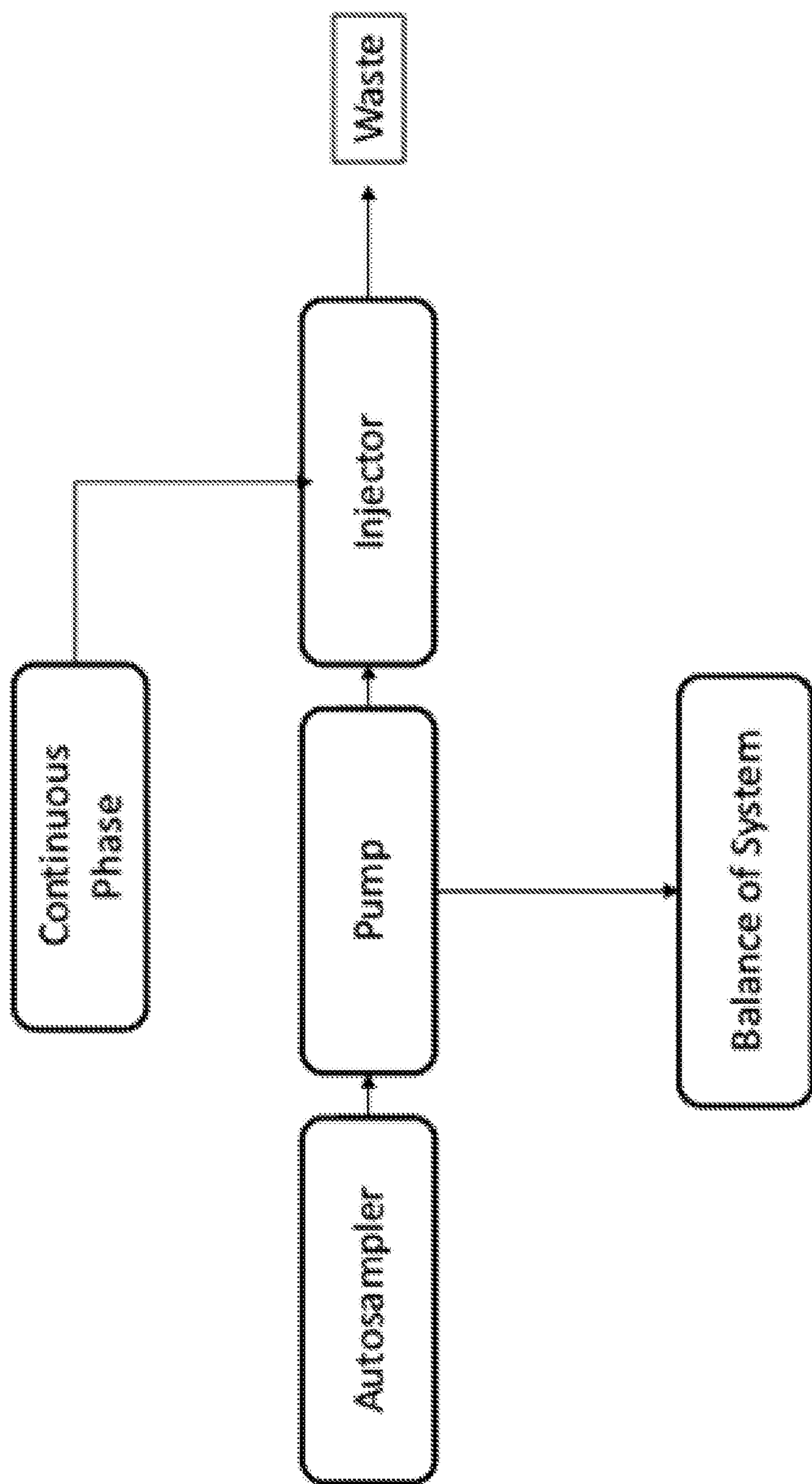
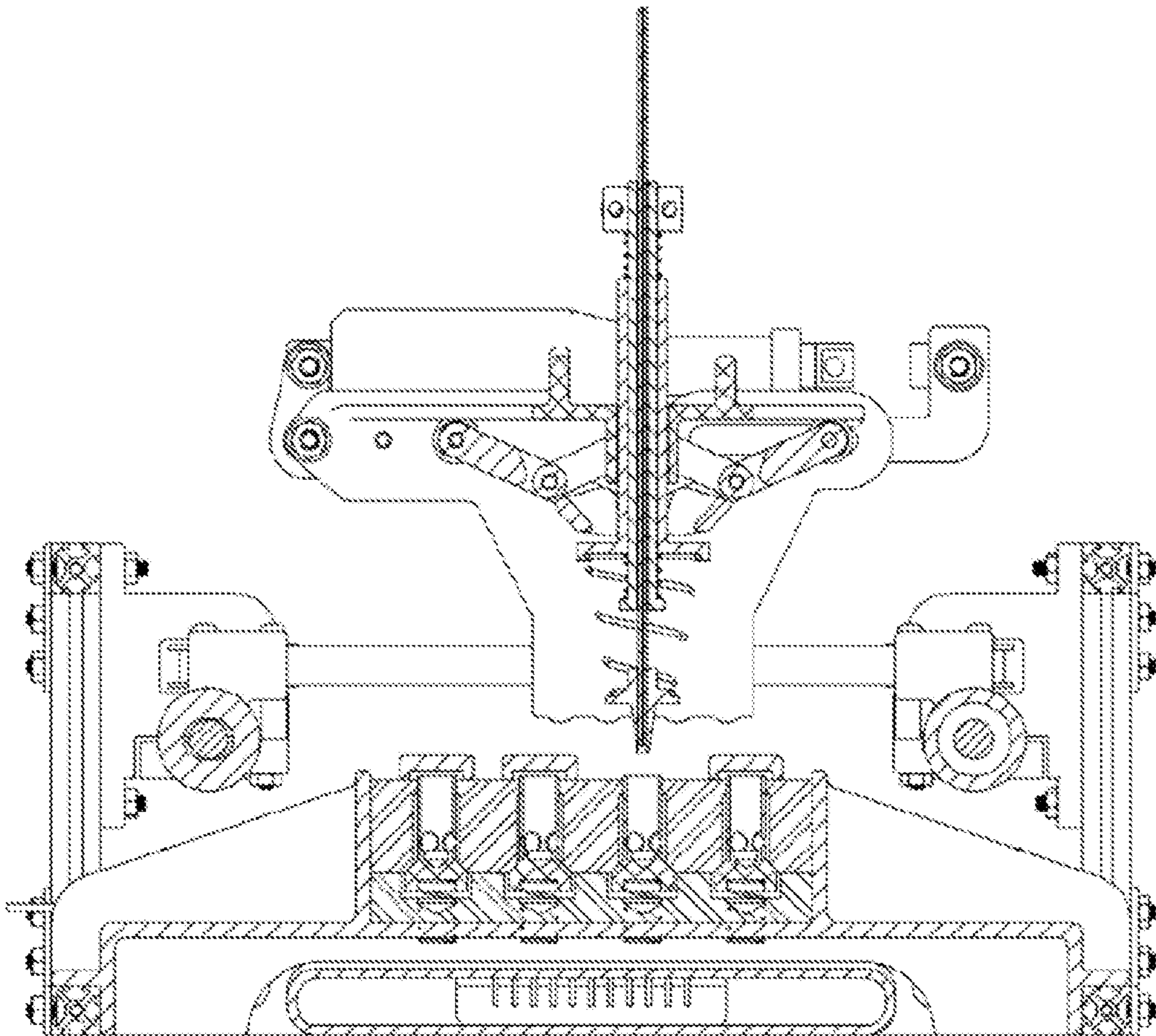


Fig. 88

**Fig. 89**

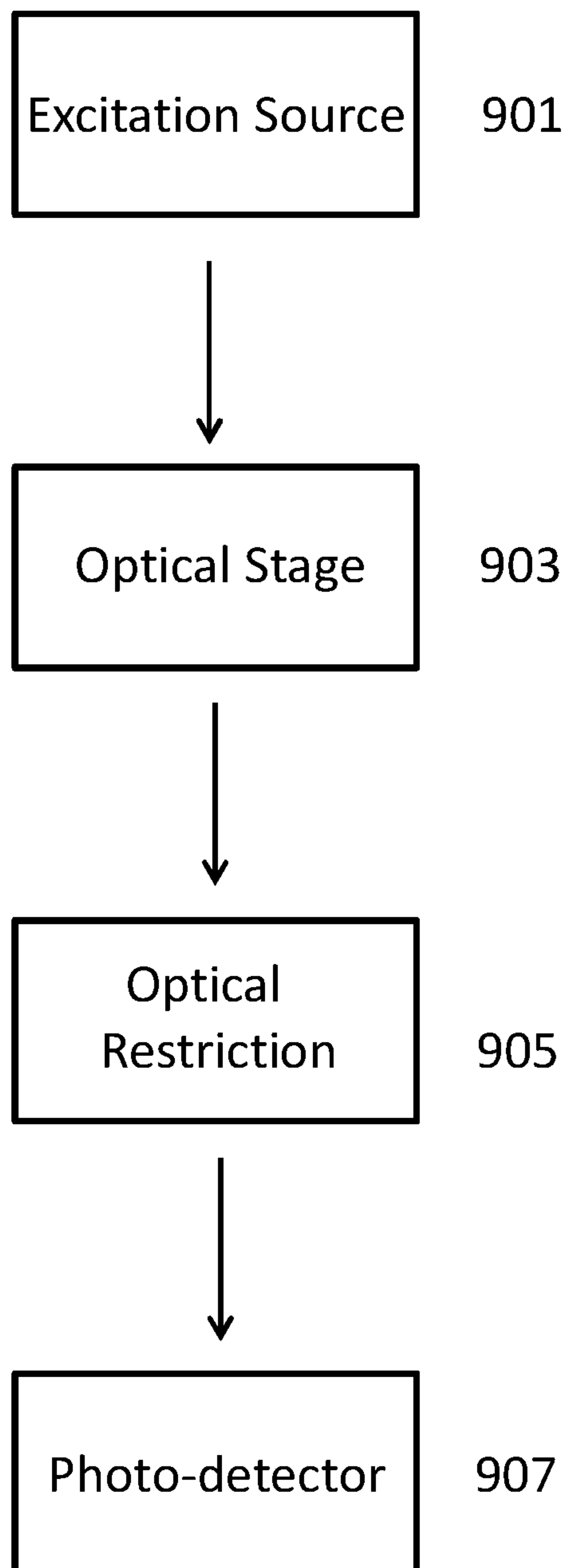
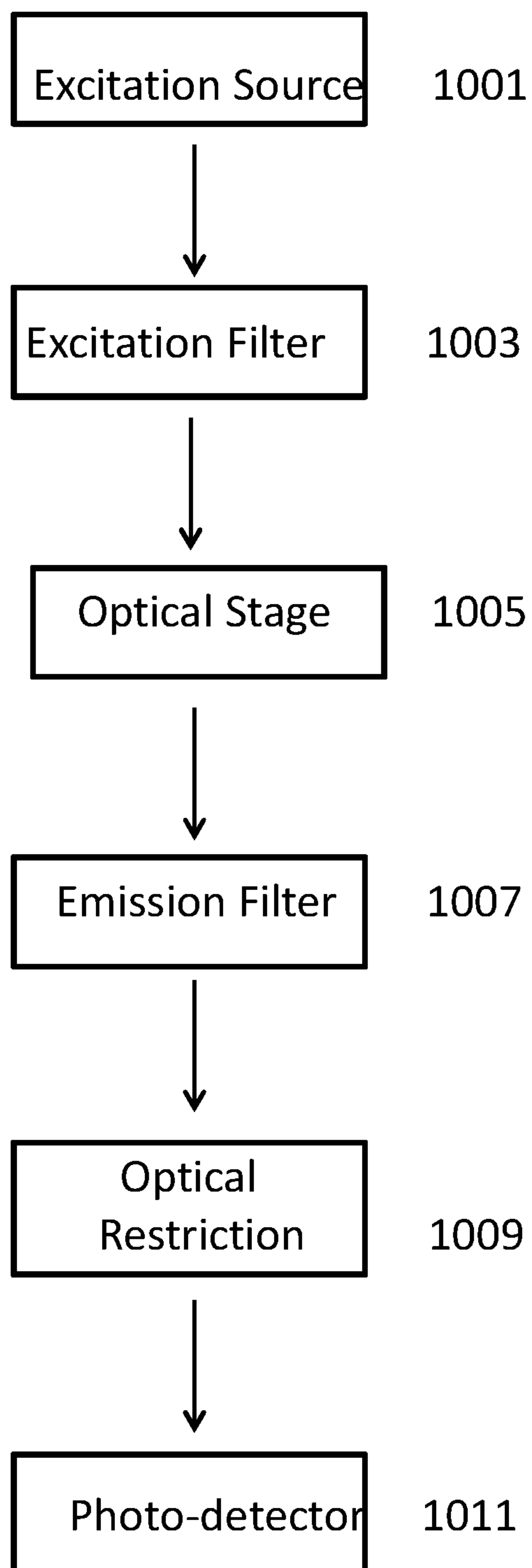
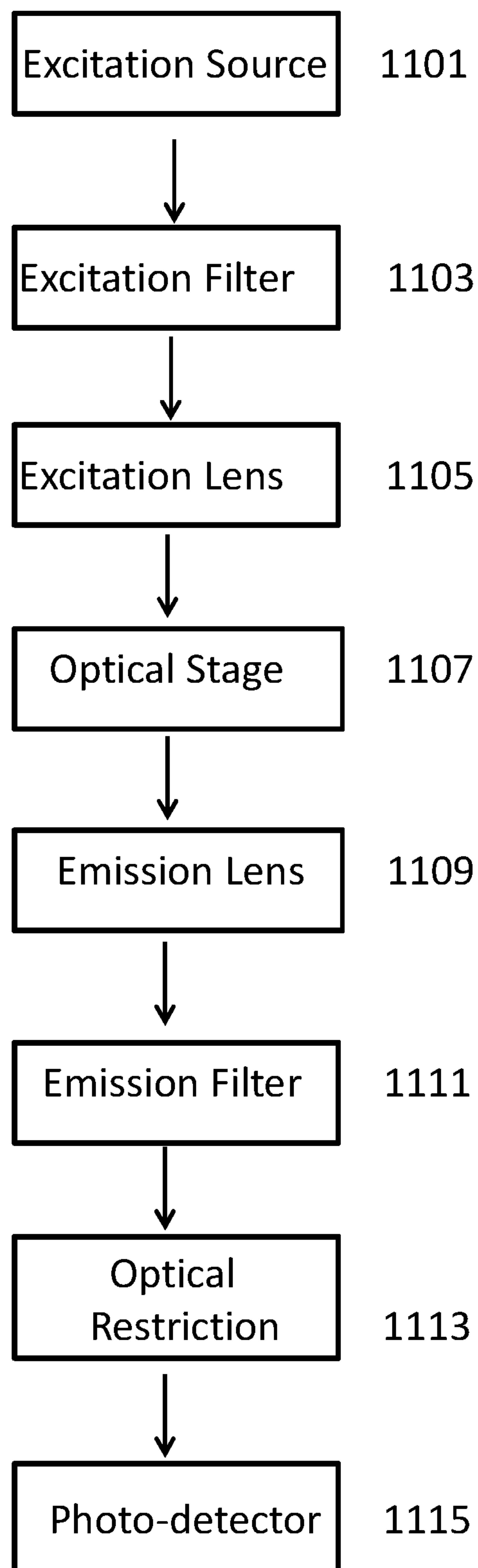
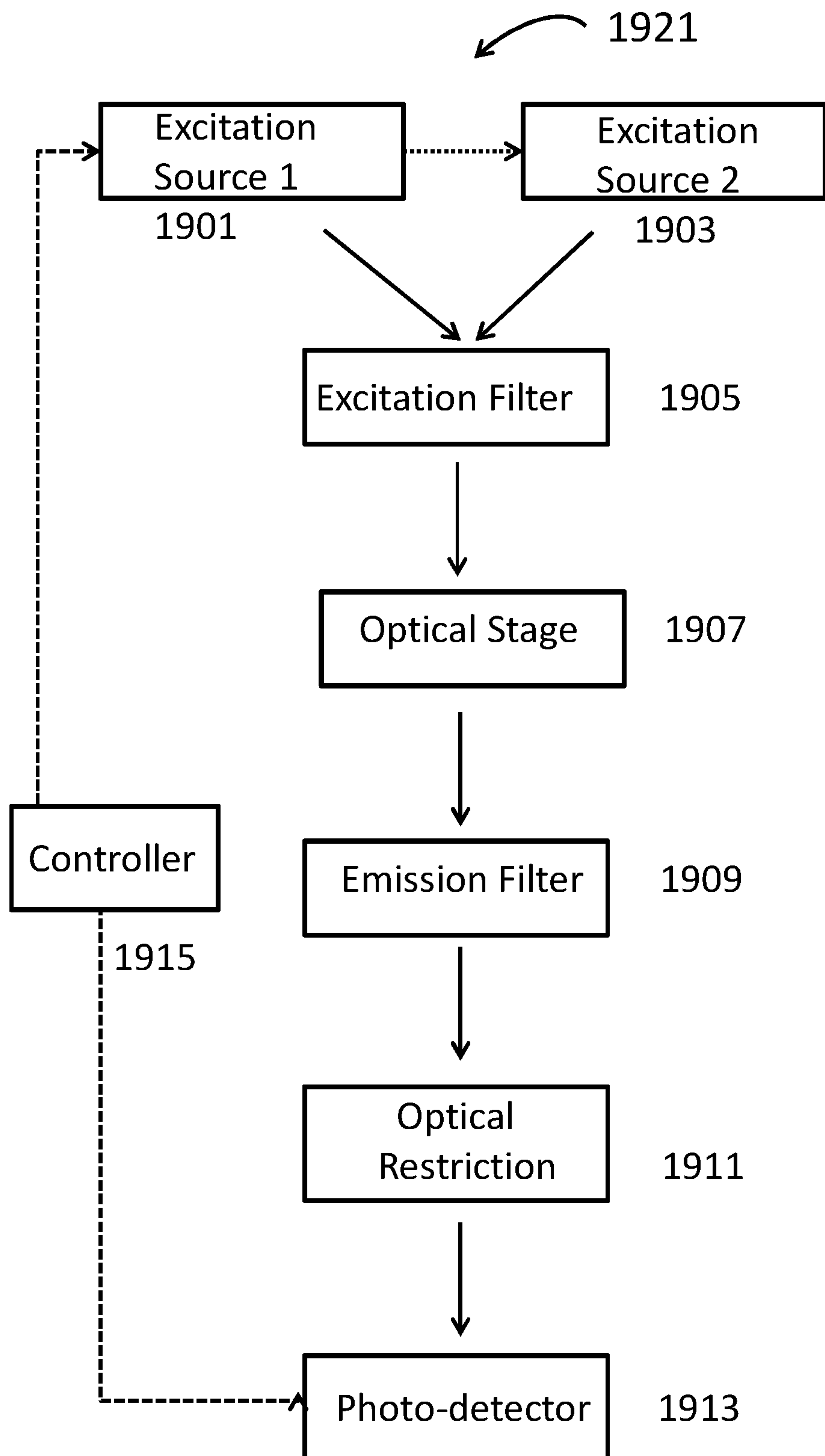


Fig. 90

**Fig. 91**

**Fig. 92**

**Fig. 93**

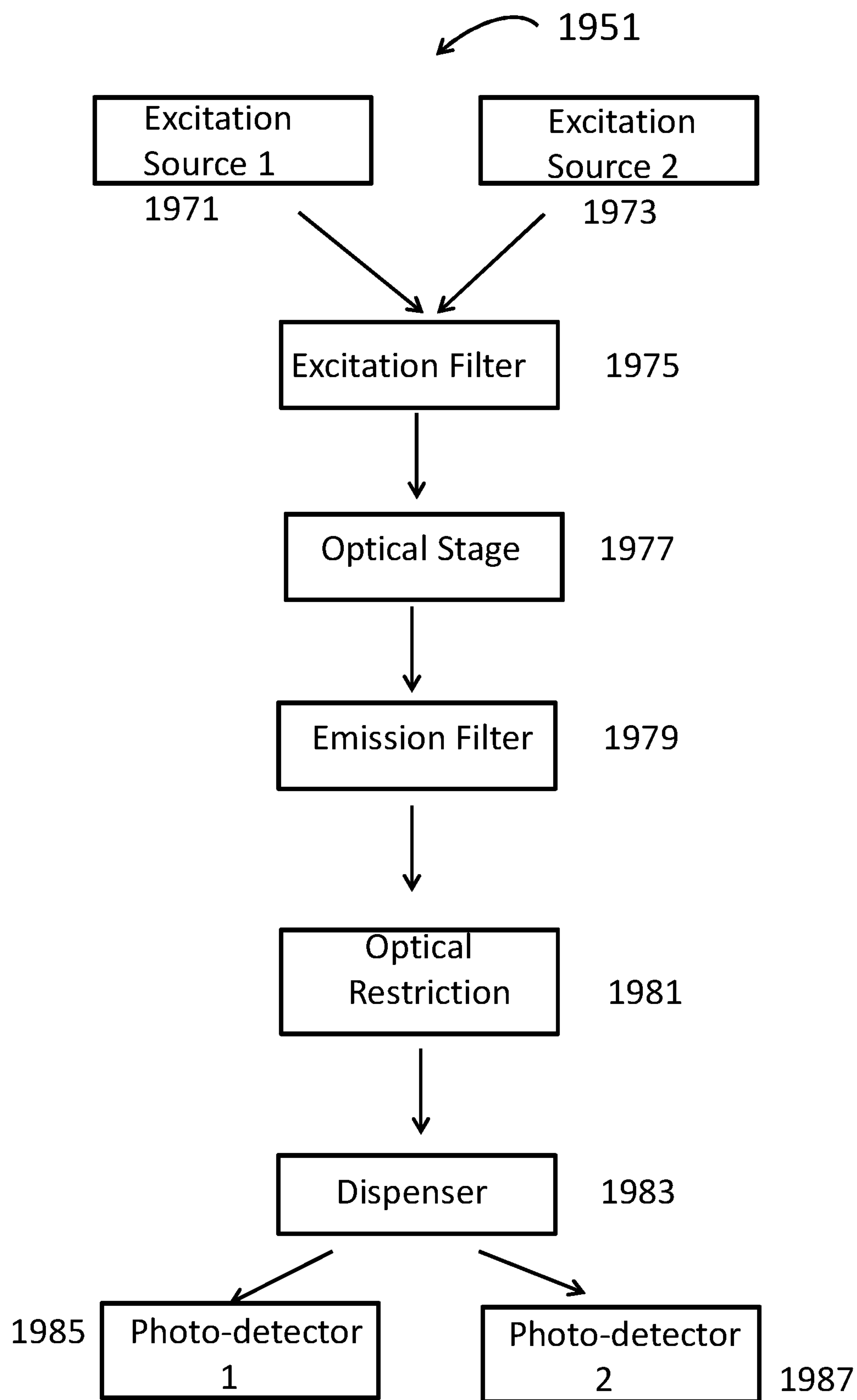


Fig. 94