

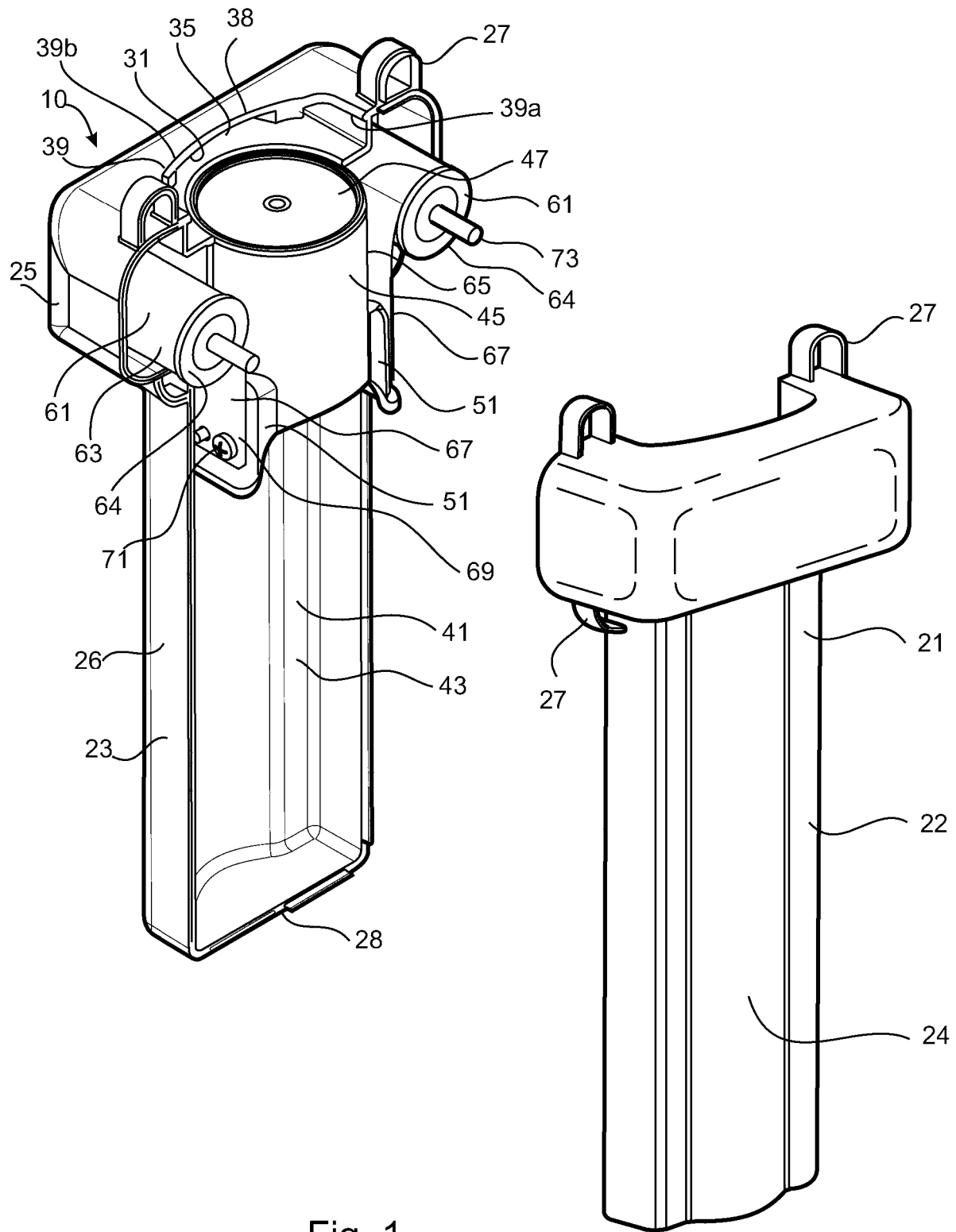


Fig. 1

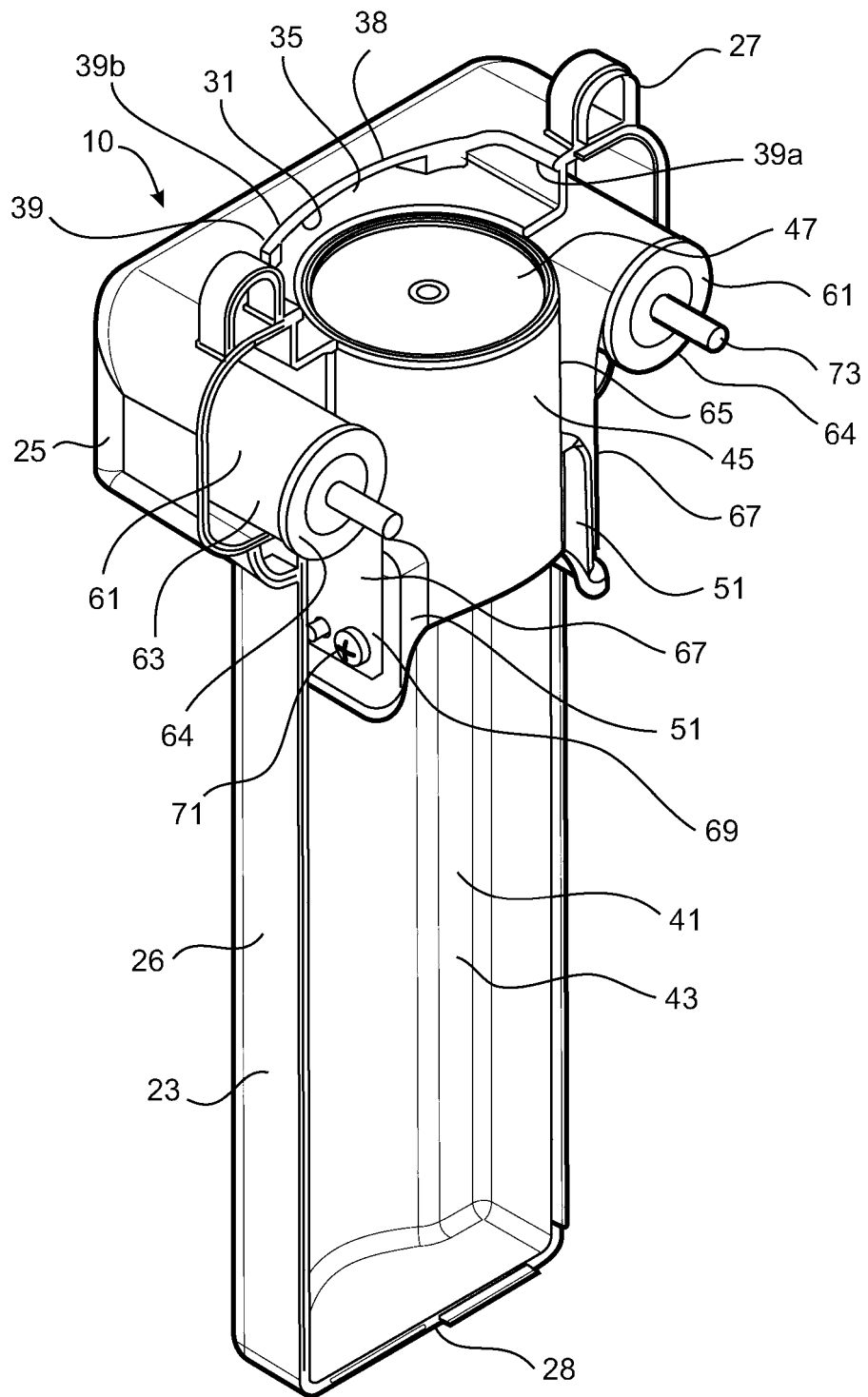


Fig. 2

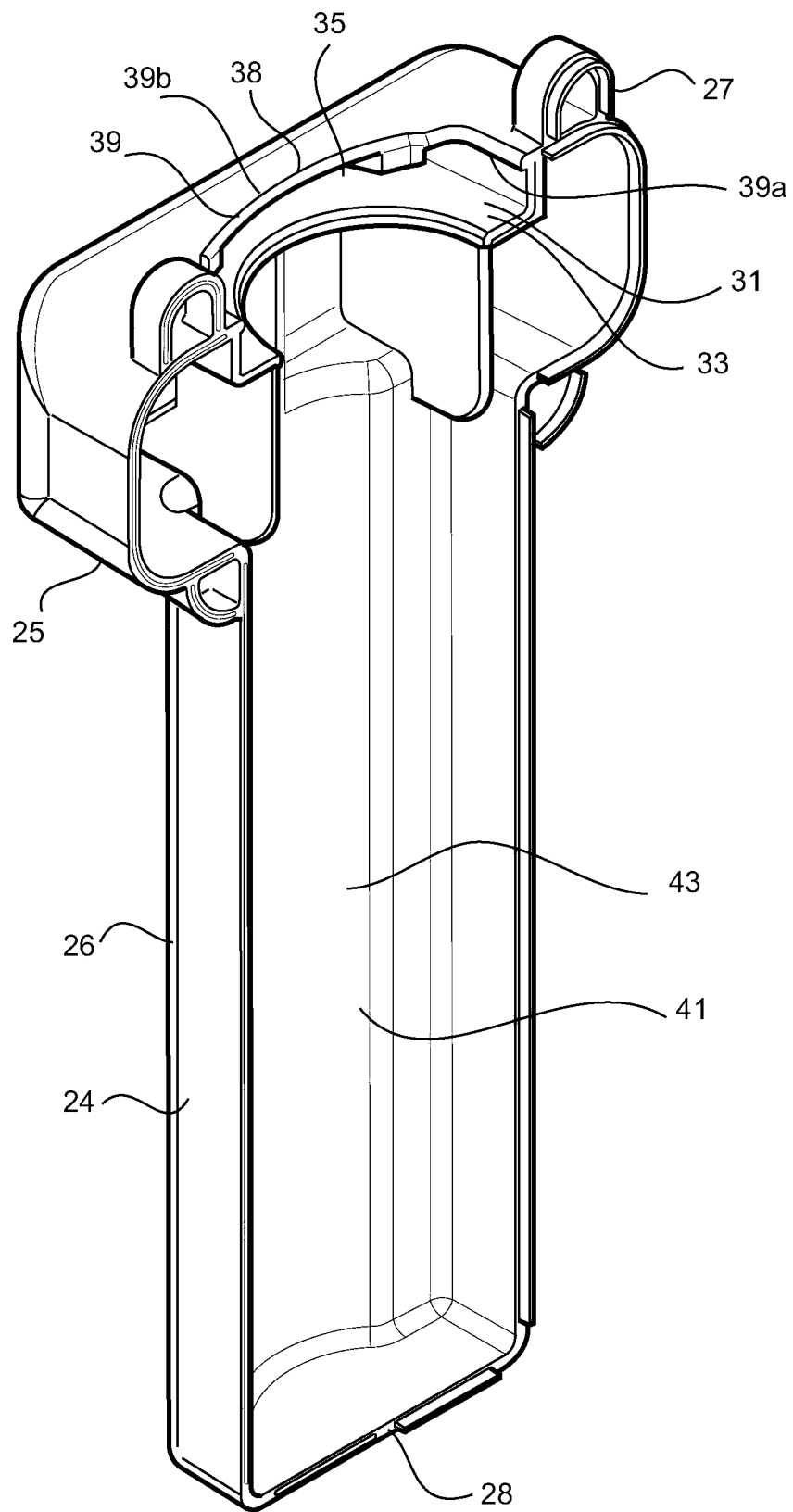


Fig. 3

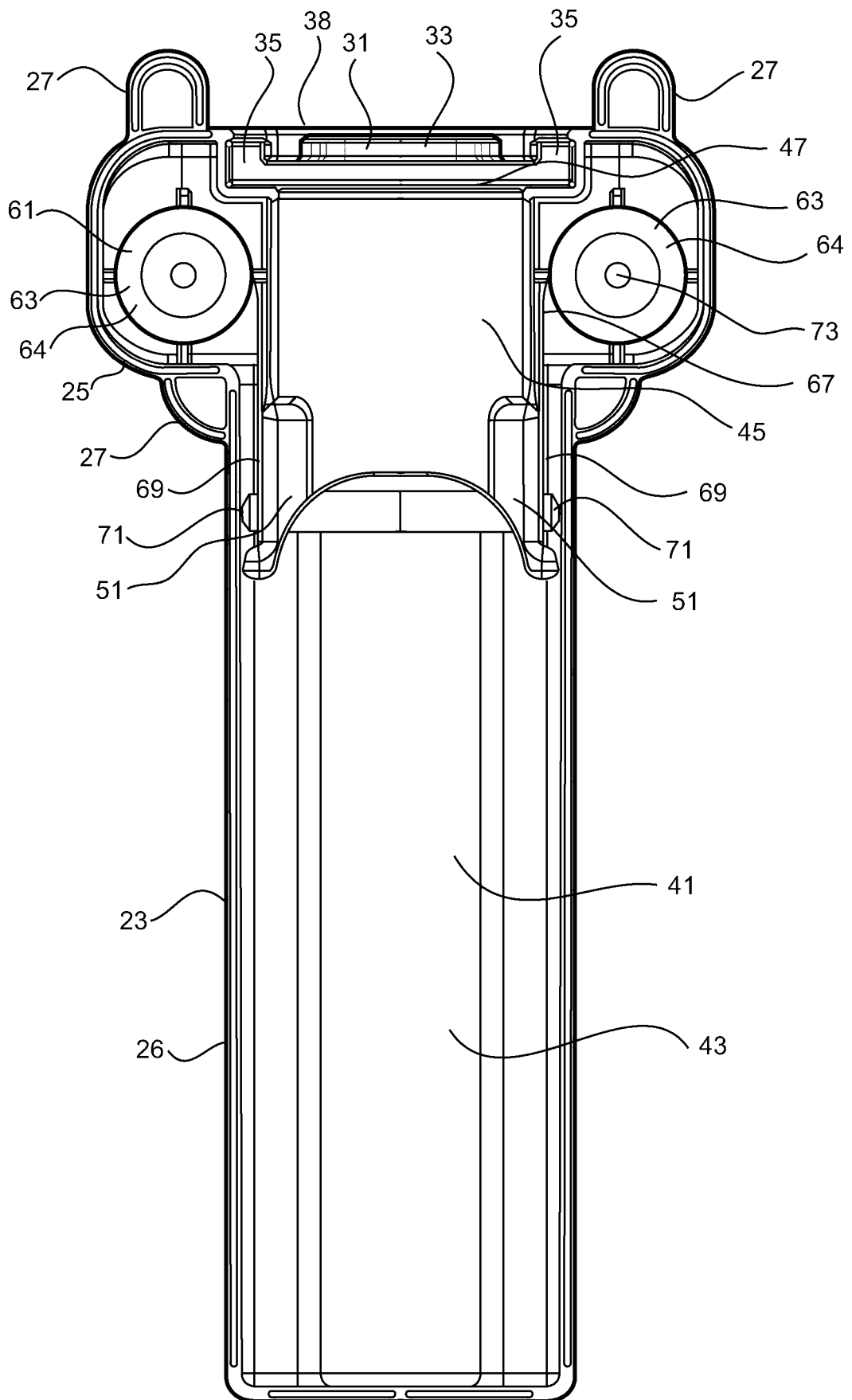


Fig. 4

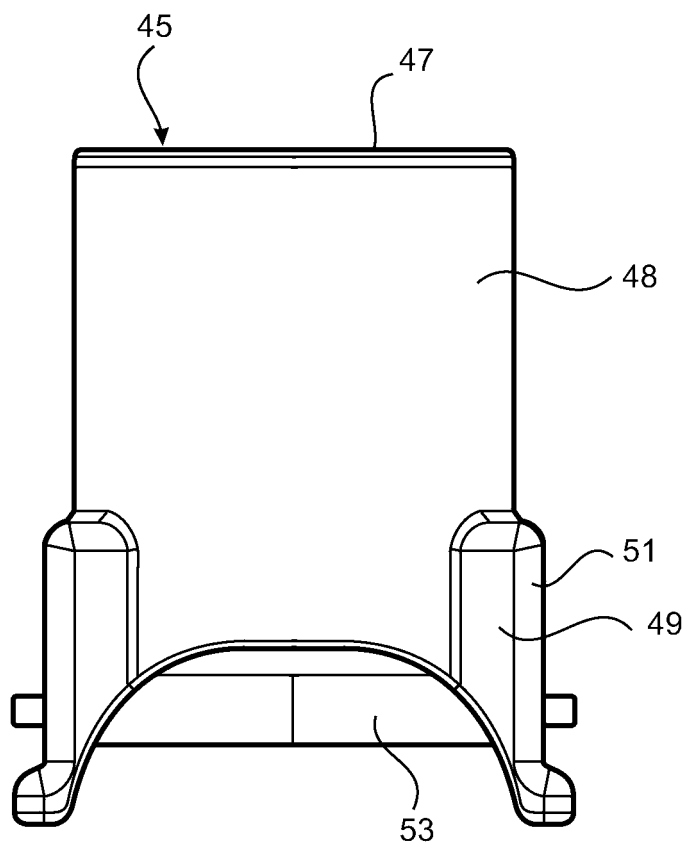


Fig. 5

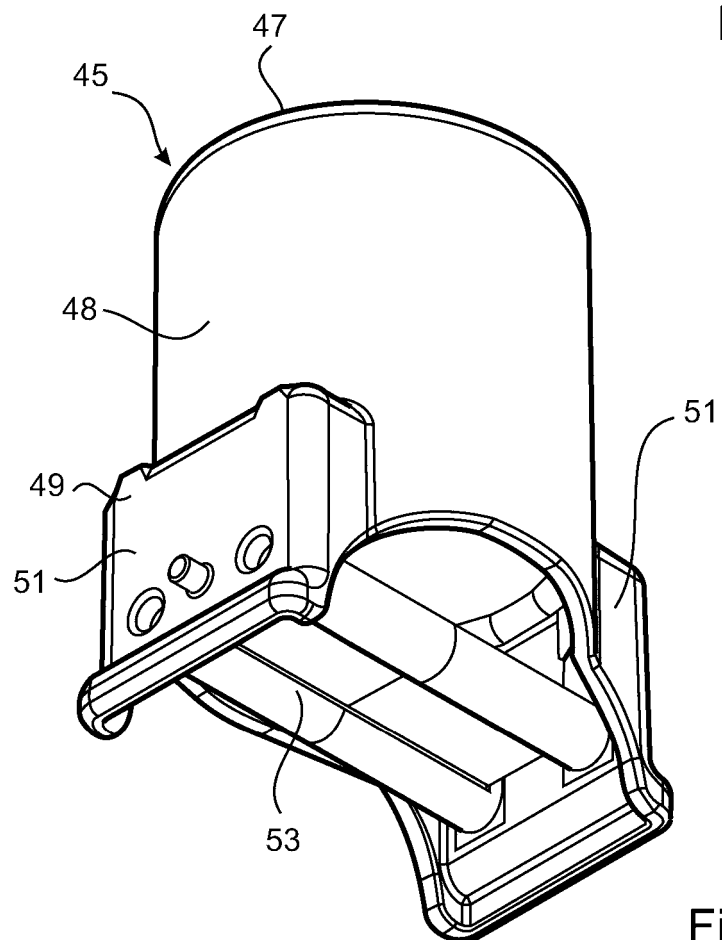


Fig. 6

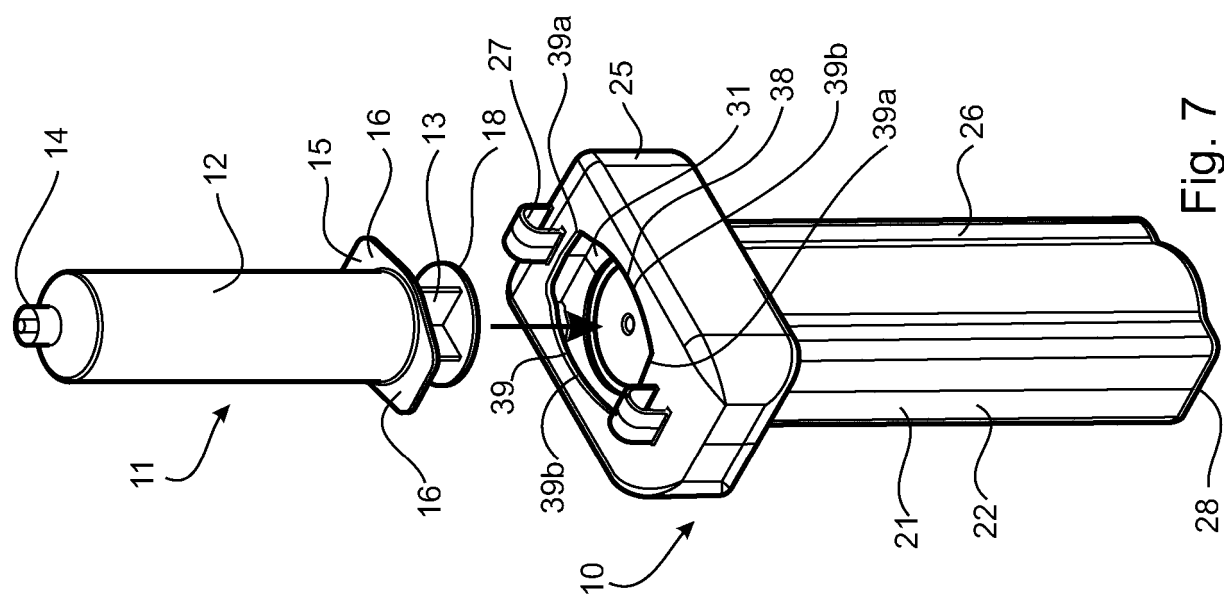


Fig. 7

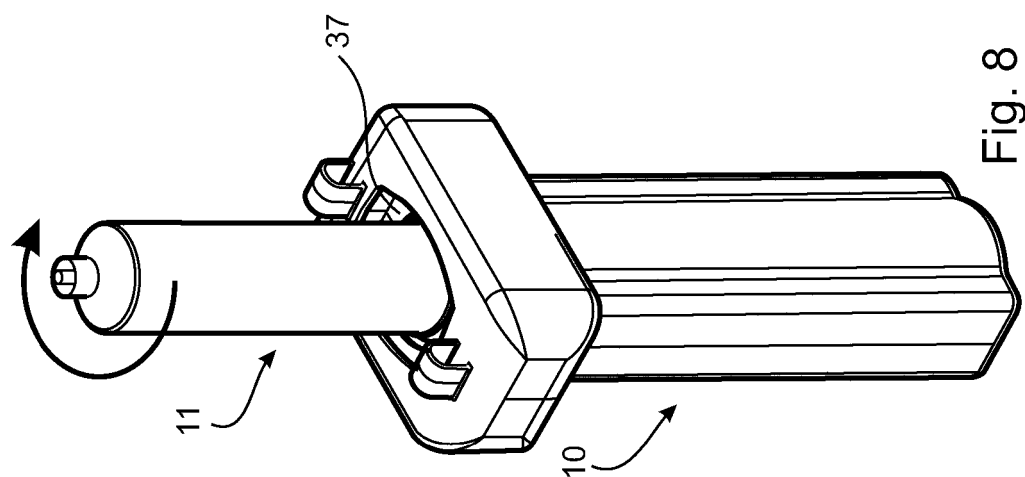


Fig. 8

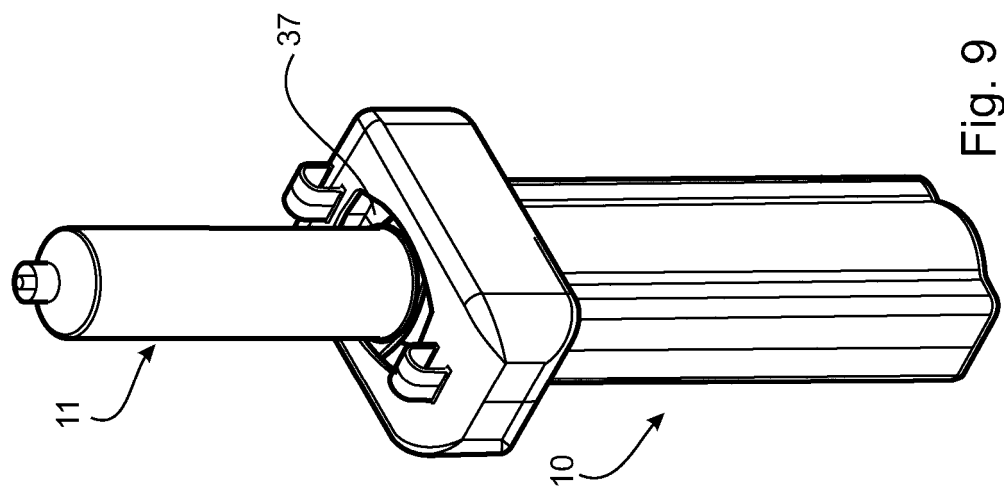


Fig. 9

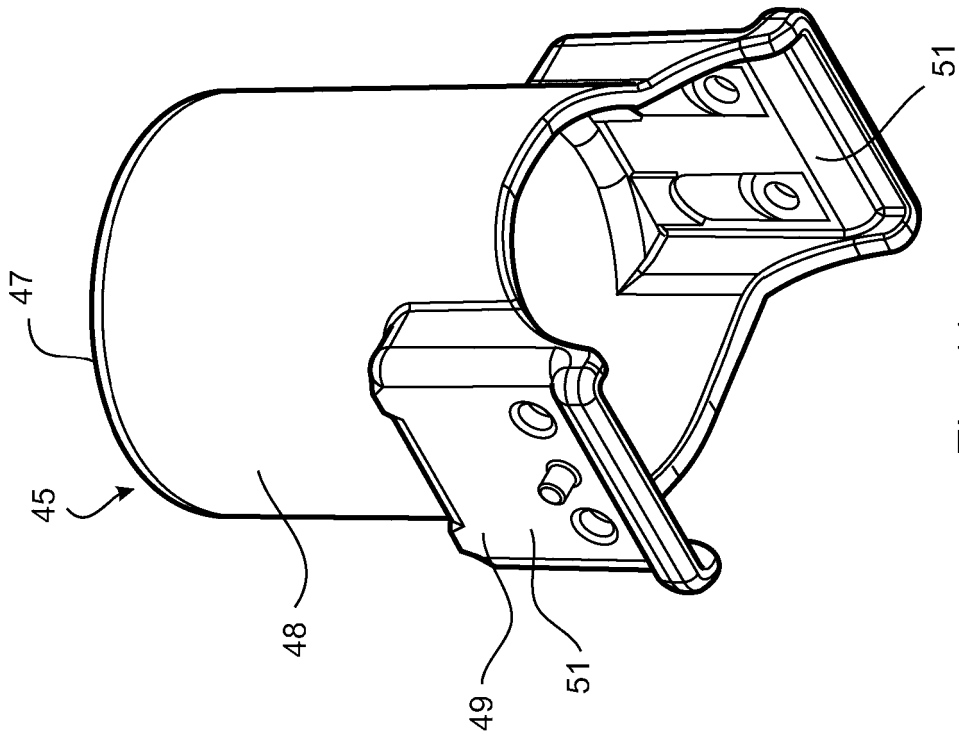


Fig. 11

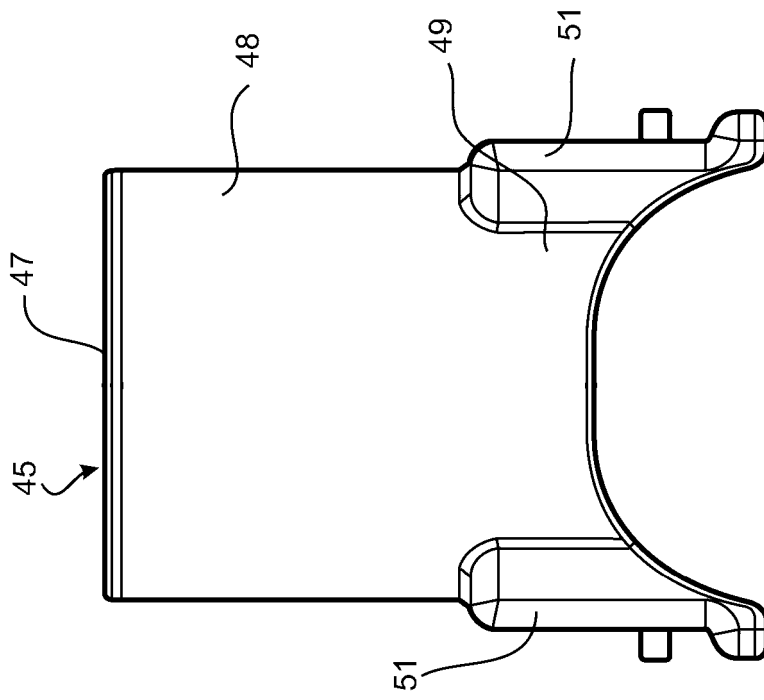


Fig. 10

| Measured FCT Flow Rate |      |        |  |
|------------------------|------|--------|--|
| Length                 | 500  | mm     |  |
| Diameter               | 14   | thou   |  |
| Flow Rate              | 3.27 | ml/min |  |

| FCT to be calibrated |    |    |
|----------------------|----|----|
| Infusion volume      | 60 | ml |

| Length of FCT to be calibrated at different flow rates (mm) |        |                     |        |        |        |        |         |         |         |         |         |          |          |          |  |  |
|-------------------------------------------------------------|--------|---------------------|--------|--------|--------|--------|---------|---------|---------|---------|---------|----------|----------|----------|--|--|
| Infusion Time                                               |        | FCT Diameter (thou) |        |        |        |        |         |         |         |         |         |          |          |          |  |  |
| in hr                                                       | in min | 3                   | 4      | 5      | 6      | 7      | 8       | 9       | 10      | 11      | 12      | 13       | 14       | 15       |  |  |
|                                                             | 5      | 0.3                 | 0.9    | 2.2    | 4.6    | 8.5    | 14.5    | 23.3    | 35.5    | 51.9    | 73.5    | 101.3    | 136.3    | 179.6    |  |  |
|                                                             | 15     | 0.9                 | 2.7    | 6.7    | 13.8   | 25.5   | 43.6    | 69.8    | 106.4   | 155.8   | 220.6   | 303.9    | 408.8    | 538.7    |  |  |
|                                                             | 30     | 1.7                 | 5.4    | 13.3   | 27.6   | 51.1   | 87.2    | 139.6   | 212.8   | 311.6   | 441.3   | 607.8    | 817.5    | 1077.3   |  |  |
|                                                             | 60     | 3.4                 | 10.9   | 26.6   | 55.2   | 102.2  | 174.3   | 279.2   | 425.6   | 623.1   | 882.5   | 1215.6   | 1635.0   | 2154.6   |  |  |
| 2                                                           | 120    | 6.9                 | 21.8   | 53.2   | 110.3  | 204.4  | 348.7   | 558.5   | 851.2   | 1246.3  | 1765.1  | 2431.1   | 3270.0   | 4309.2   |  |  |
| 4                                                           | 240    | 13.8                | 43.6   | 106.4  | 220.6  | 408.8  | 697.3   | 1117.0  | 1702.4  | 2492.5  | 3530.1  | 4862.3   | 6540.0   | 8618.5   |  |  |
| 6                                                           | 360    | 20.7                | 65.4   | 159.6  | 330.9  | 613.1  | 1046.0  | 1675.4  | 2553.6  | 3738.8  | 5295.2  | 7293.4   | 9810.0   | 12927.7  |  |  |
| 8                                                           | 480    | 27.6                | 87.2   | 212.8  | 441.3  | 817.5  | 1394.6  | 2233.9  | 3404.8  | 4985.0  | 7060.3  | 9724.5   | 13080.0  | 17237.0  |  |  |
| 12                                                          | 720    | 41.4                | 130.7  | 319.2  | 661.9  | 1226.3 | 2091.9  | 3350.9  | 5107.2  | 7477.5  | 10590.4 | 14586.8  | 19620.0  | 25855.4  |  |  |
| 24                                                          | 1440   | 82.7                | 261.5  | 638.4  | 1323.8 | 2452.5 | 4183.9  | 6701.7  | 10214.5 | 14955.0 | 21180.8 | 29173.6  | 39240.0  | 51710.9  |  |  |
| 48                                                          | 2880   | 165.5               | 523.0  | 1276.8 | 2647.6 | 4905.0 | 8367.7  | 13403.5 | 20429.0 | 29910.1 | 42361.5 | 58347.2  | 78480.0  | 103421.8 |  |  |
| 72                                                          | 4320   | 248.2               | 784.5  | 1915.2 | 3971.4 | 7357.5 | 12551.6 | 20105.2 | 30643.5 | 44865.1 | 63542.3 | 87520.8  | 117720.0 | 155132.6 |  |  |
| 96                                                          | 5760   | 330.9               | 1046.0 | 2553.6 | 5295.2 | 9810.0 | 16735.4 | 26806.9 | 40858.0 | 59820.2 | 84723.1 | 116694.5 | 156960.0 | 206843.5 |  |  |

| Length of FCT to be calibrated at different flow rates (mm) |        |                     |        |        |        |        |        |        |         |         |         |         |         |         |  |  |
|-------------------------------------------------------------|--------|---------------------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|--|--|
| Infusion Time                                               |        | FCT Diameter (thou) |        |        |        |        |        |        |         |         |         |         |         |         |  |  |
| in hr                                                       | in min | 16                  | 17     | 18     | 19     | 20     | 21     | 22     | 23      | 24      | 25      | 26      | 27      | 28      |  |  |
|                                                             | 5      | 232.4               | 296.2  | 372.3  | 462.2  | 567.5  | 689.8  | 830.8  | 992.5   | 1176.7  | 1385.4  | 1620.8  | 1884.9  | 2180.0  |  |  |
|                                                             | 15     | 697.3               | 888.7  | 1117.0 | 1386.6 | 1702.4 | 2069.3 | 2492.5 | 2977.5  | 3530.1  | 4156.3  | 4862.3  | 5654.6  | 6540.0  |  |  |
|                                                             | 30     | 1394.6              | 1777.3 | 2233.9 | 2773.3 | 3404.8 | 4138.6 | 4985.0 | 5955.1  | 7060.3  | 8312.6  | 9724.5  | 11309.2 | 13080.0 |  |  |
|                                                             | 60     | 2789.2              | 3554.7 | 4467.8 | 5546.5 | 6809.7 | 8277.2 | 9970.0 | 11910.1 | 14120.5 | 16652.2 | 19449.1 | 22618.3 | 26160.0 |  |  |

Fig. 12

| Measured FCT Flow Rate |      |        | FCT to be calibrated |    |    |
|------------------------|------|--------|----------------------|----|----|
| Length                 | 500  | mm     | Infusion volume      | 60 | ml |
| Diameter               | 14   | thou   |                      |    |    |
| Flow Rate              | 3.27 | ml/min |                      |    |    |

| Length of FCT to be calibrated at different flow rates (mm) |        |                     |       |       |        |        |        |        |        |         |         |         |         |         |
|-------------------------------------------------------------|--------|---------------------|-------|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| Infusion Time                                               |        | FCT Diameter (thou) |       |       |        |        |        |        |        |         |         |         |         |         |
| in hr                                                       | in min | 3                   | 4     | 5     | 6      | 7      | 8      | 9      | 10     | 11      | 12      | 13      | 14      | 15      |
|                                                             | 60     | 3.4                 | 10.9  | 26.6  | 55.2   | 102.2  | 174.3  | 279.2  | 425.6  | 623.1   | 882.5   | 1215.6  | 1635.0  | 2154.6  |
| 13                                                          | 780    | 44.8                | 141.6 | 345.8 | 717.1  | 1328.4 | 2266.3 | 3630.1 | 5532.9 | 8100.6  | 11472.9 | 15802.4 | 21255.0 | 28010.1 |
| 19                                                          | 1140   | 65.5                | 207.0 | 505.4 | 1048.0 | 1941.6 | 3312.2 | 5305.5 | 8086.5 | 11839.4 | 16768.1 | 23095.8 | 31065.0 | 40937.8 |

Fig. 13

For 60 ml

| Length of FCT to be calibrated at different flow rates (mm) |        |                     |        |        |        |        |         |         |         |         |         |          |          |          |  |  |
|-------------------------------------------------------------|--------|---------------------|--------|--------|--------|--------|---------|---------|---------|---------|---------|----------|----------|----------|--|--|
| Infusion Time                                               |        | FCT Diameter (thou) |        |        |        |        |         |         |         |         |         |          |          |          |  |  |
| in hr                                                       | in min | 3                   | 4      | 5      | 6      | 7      | 8       | 9       | 10      | 11      | 12      | 13       | 14       | 15       |  |  |
|                                                             | 5      | 0.3                 | 0.9    | 2.2    | 4.6    | 8.5    | 14.5    | 23.3    | 35.5    | 51.9    | 73.5    | 101.3    | 136.3    | 179.6    |  |  |
|                                                             | 15     | 0.9                 | 2.7    | 6.7    | 13.8   | 25.5   | 43.6    | 69.8    | 106.4   | 155.8   | 220.6   | 303.9    | 408.8    | 538.7    |  |  |
|                                                             | 30     | 1.7                 | 5.4    | 13.3   | 27.6   | 51.1   | 87.2    | 139.6   | 212.8   | 311.6   | 441.3   | 607.8    | 817.5    | 1077.3   |  |  |
|                                                             | 60     | 3.4                 | 10.9   | 26.6   | 55.2   | 102.2  | 174.3   | 279.2   | 425.6   | 623.1   | 882.5   | 1215.6   | 1635.0   | 2154.6   |  |  |
| 2                                                           | 120    | 6.9                 | 21.8   | 53.2   | 110.3  | 204.4  | 348.7   | 558.5   | 851.2   | 1246.3  | 1765.1  | 2431.1   | 3270.0   | 4309.2   |  |  |
| 4                                                           | 240    | 13.8                | 43.6   | 106.4  | 220.6  | 408.8  | 697.3   | 1117.0  | 1702.4  | 2492.5  | 3530.1  | 4862.3   | 6540.0   | 8618.5   |  |  |
| 6                                                           | 360    | 20.7                | 65.4   | 159.6  | 330.9  | 613.1  | 1046.0  | 1675.4  | 2553.6  | 3738.8  | 5295.2  | 7293.4   | 9810.0   | 12927.7  |  |  |
| 8                                                           | 480    | 27.6                | 87.2   | 212.8  | 441.3  | 817.5  | 1394.6  | 2233.9  | 3404.8  | 4985.0  | 7060.3  | 9724.5   | 13080.0  | 17237.0  |  |  |
| 12                                                          | 720    | 41.4                | 130.7  | 319.2  | 661.9  | 1226.3 | 2091.9  | 3350.9  | 5107.2  | 7477.5  | 10590.4 | 14586.8  | 19620.0  | 25855.4  |  |  |
| 13                                                          | 780    | 44.8                | 141.6  | 345.8  | 717.1  | 1328.4 | 2266.3  | 3630.1  | 5532.9  | 8100.6  | 11472.9 | 15802.4  | 21255.0  | 28010.1  |  |  |
| 19                                                          | 1140   | 65.5                | 207.0  | 505.4  | 1048.0 | 1941.6 | 3312.2  | 5305.5  | 8086.5  | 11839.4 | 16768.1 | 23095.8  | 31065.0  | 40937.8  |  |  |
| 24                                                          | 1440   | 82.7                | 261.5  | 638.4  | 1323.8 | 2452.5 | 4183.9  | 6701.7  | 10214.5 | 14955.0 | 21180.8 | 29173.6  | 39240.0  | 51710.9  |  |  |
| 48                                                          | 2880   | 165.5               | 523.0  | 1276.8 | 2647.6 | 4905.0 | 8367.7  | 13403.5 | 20429.0 | 29910.1 | 42361.5 | 58347.2  | 78480.0  | 103421.8 |  |  |
| 72                                                          | 4320   | 248.2               | 784.5  | 1915.2 | 3971.4 | 7357.5 | 12551.6 | 20105.2 | 30643.5 | 44865.1 | 63542.3 | 87520.8  | 117720.0 | 155132.6 |  |  |
| 96                                                          | 5760   | 330.9               | 1046.0 | 2553.6 | 5295.2 | 9810.0 | 16735.4 | 26806.9 | 40858.0 | 59820.2 | 84723.1 | 116694.5 | 156960.0 | 206843.5 |  |  |

Fig. 14

For 100 ml

| Length of FCT to be calibrated at different flow rates (mm) |      |                     |       |        |        |        |         |         |         |         |         |         |         |         |  |  |
|-------------------------------------------------------------|------|---------------------|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|--|--|
| Infusion Time<br>in hr in min                               |      | FCT Diameter (thou) |       |        |        |        |         |         |         |         |         |         |         |         |  |  |
|                                                             |      | 3                   | 4     | 5      | 6      | 7      | 8       | 9       | 10      | 11      | 12      | 13      | 14      | 15      |  |  |
|                                                             | 5    | 0.2                 | 0.5   | 1.3    | 2.8    | 5.1    | 8.7     | 14.0    | 21.3    | 31.2    | 44.1    | 60.8    | 81.8    | 107.7   |  |  |
|                                                             | 15   | 0.5                 | 1.6   | 4.0    | 8.3    | 15.3   | 26.1    | 41.9    | 63.8    | 93.5    | 132.4   | 182.3   | 245.3   | 323.2   |  |  |
|                                                             | 30   | 1.0                 | 3.3   | 8.0    | 16.6   | 30.7   | 52.3    | 83.8    | 127.7   | 186.9   | 264.8   | 364.7   | 490.5   | 646.4   |  |  |
|                                                             | 60   | 2.1                 | 6.5   | 16.0   | 33.1   | 61.8   | 104.6   | 167.5   | 255.4   | 373.9   | 529.5   | 729.3   | 981.0   | 1292.8  |  |  |
| 2                                                           | 120  | 4.1                 | 13.1  | 31.9   | 66.2   | 122.6  | 209.2   | 335.1   | 510.7   | 747.8   | 1059.0  | 1458.7  | 1962.0  | 2585.5  |  |  |
| 4                                                           | 240  | 8.3                 | 26.1  | 63.8   | 132.4  | 245.3  | 418.4   | 670.2   | 1021.4  | 1495.5  | 2118.1  | 2917.4  | 3924.0  | 5171.1  |  |  |
| 6                                                           | 360  | 12.4                | 39.2  | 95.8   | 198.6  | 367.9  | 627.6   | 1005.3  | 1532.2  | 2243.3  | 3177.1  | 4376.0  | 5886.0  | 7756.6  |  |  |
| 8                                                           | 480  | 16.5                | 52.3  | 127.7  | 264.8  | 490.5  | 836.8   | 1340.3  | 2042.9  | 2991.0  | 4236.2  | 5834.7  | 7848.0  | 10342.2 |  |  |
| 12                                                          | 720  | 24.8                | 78.4  | 191.5  | 397.1  | 735.8  | 1255.2  | 2010.5  | 3064.3  | 4486.5  | 6354.2  | 8752.1  | 11772.0 | 15513.3 |  |  |
| 13                                                          | 780  | 26.9                | 85.0  | 207.5  | 430.2  | 797.1  | 1359.8  | 2178.1  | 3319.7  | 4860.4  | 6883.8  | 9481.4  | 12753.0 | 16806.0 |  |  |
| 19                                                          | 1140 | 39.3                | 124.2 | 303.2  | 628.8  | 1164.9 | 1987.3  | 3183.3  | 4851.9  | 7103.6  | 10060.9 | 13857.5 | 18639.0 | 24562.7 |  |  |
| 24                                                          | 1440 | 49.6                | 156.9 | 383.0  | 794.3  | 1471.5 | 2510.3  | 4021.0  | 6128.7  | 8973.0  | 12708.5 | 17504.2 | 23544.0 | 31026.7 |  |  |
| 48                                                          | 2880 | 99.3                | 313.8 | 766.1  | 1588.6 | 2943.0 | 5020.6  | 8042.1  | 12257.4 | 17946.0 | 25416.9 | 35008.3 | 47088.0 | 62053.1 |  |  |
| 72                                                          | 4320 | 148.9               | 470.7 | 1149.1 | 2382.8 | 4414.5 | 7530.9  | 12063.1 | 18386.1 | 26919.1 | 38125.4 | 52512.5 | 70632.0 | 93079.6 |  |  |
| 96                                                          | 5760 | 198.6               | 627.6 | 1532.2 | 3177.1 | 5886.0 | 10041.3 | 16084.2 | 24514.8 | 35892.1 | 50833.9 | 70016.7 | 94176.0 | 1241061 |  |  |

Fig. 15