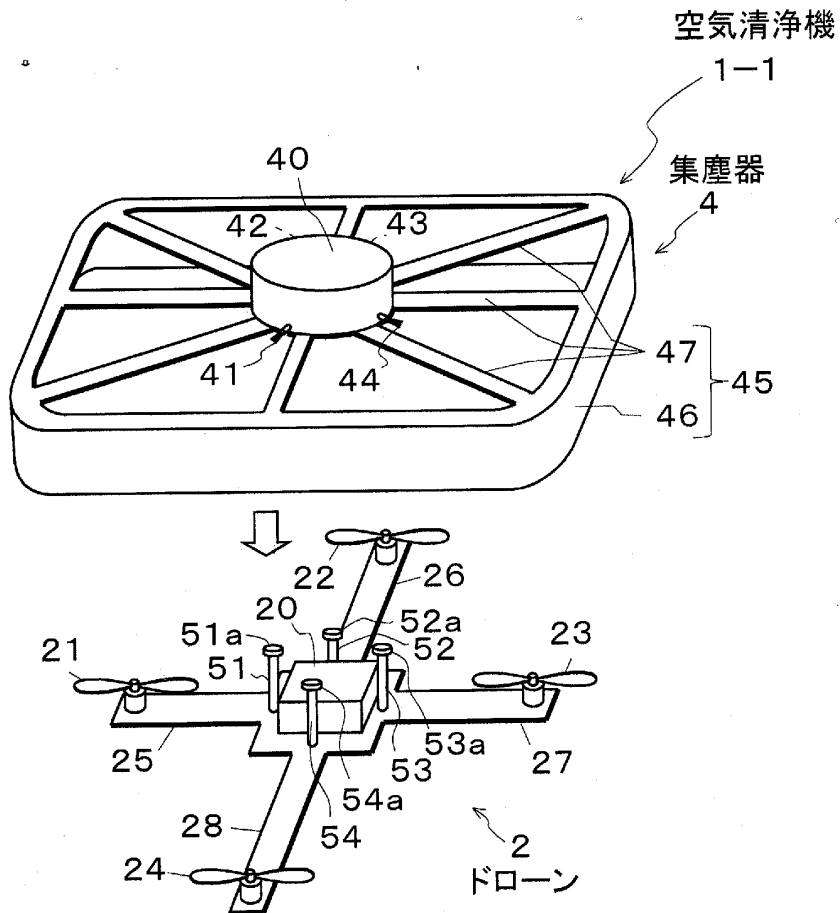
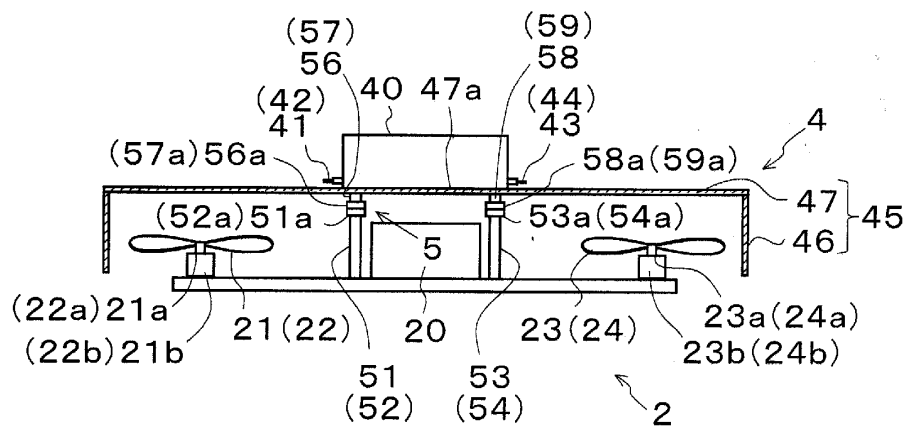


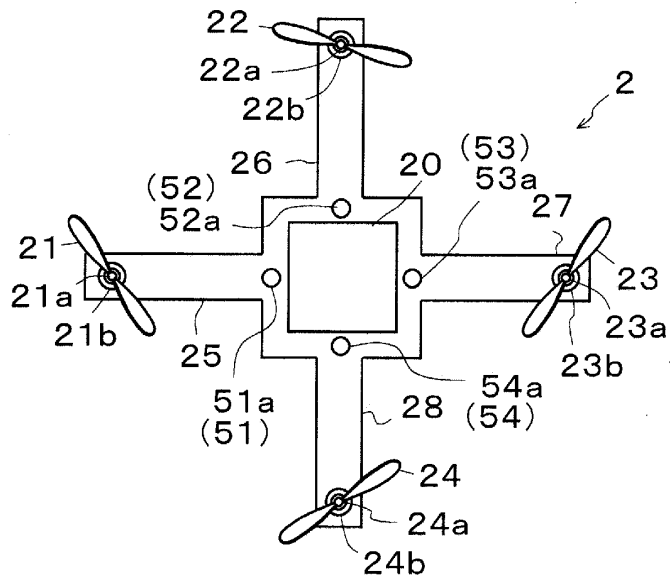
[図1]



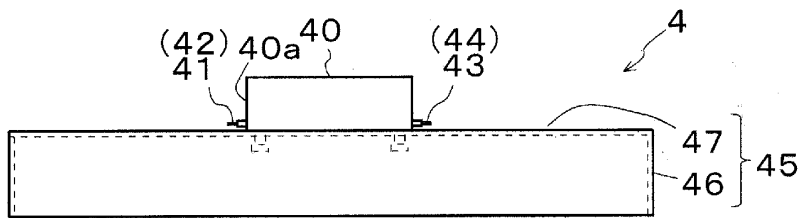
[図2]



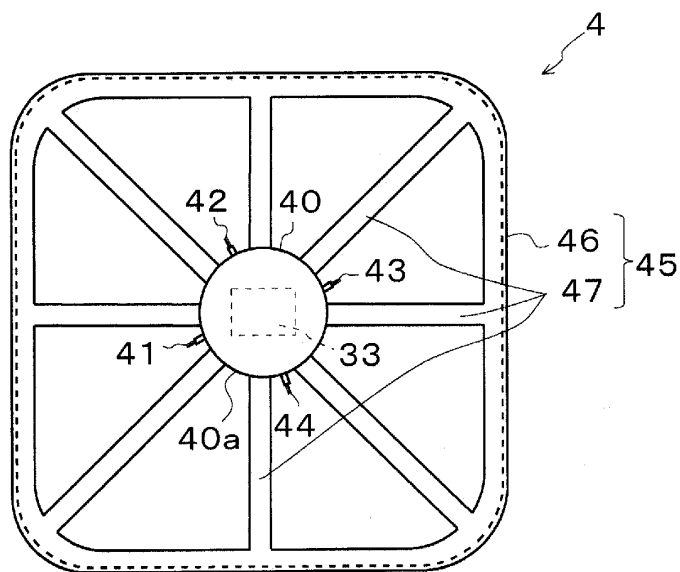
[図3]



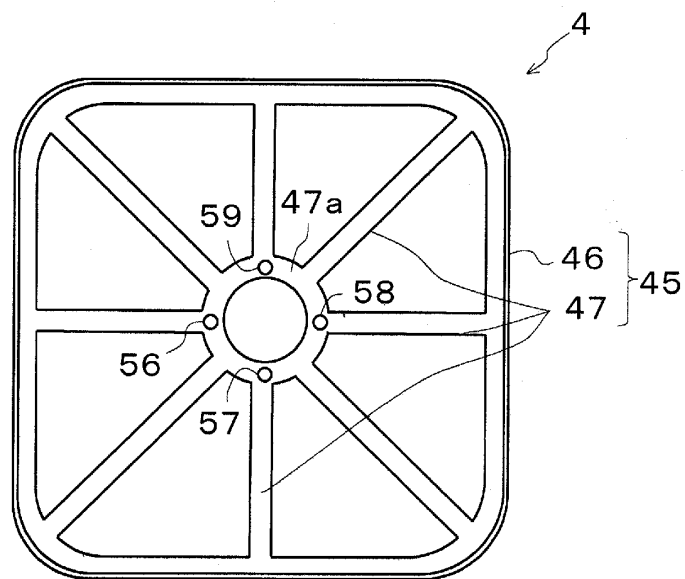
[図4]



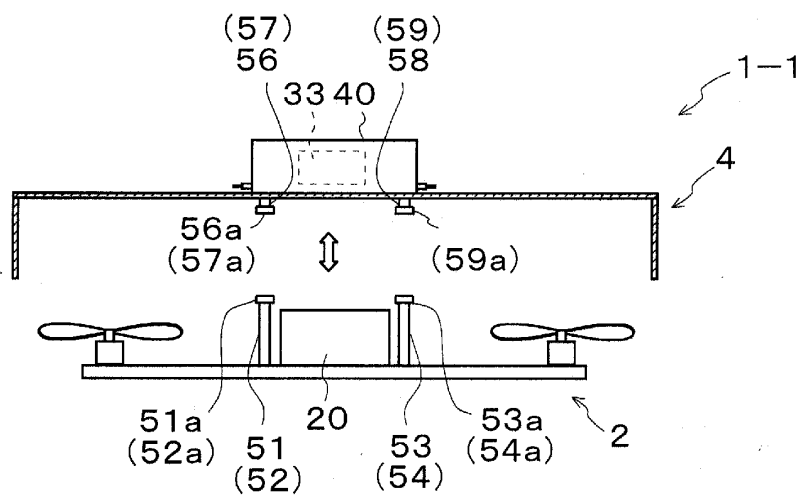
[図5]



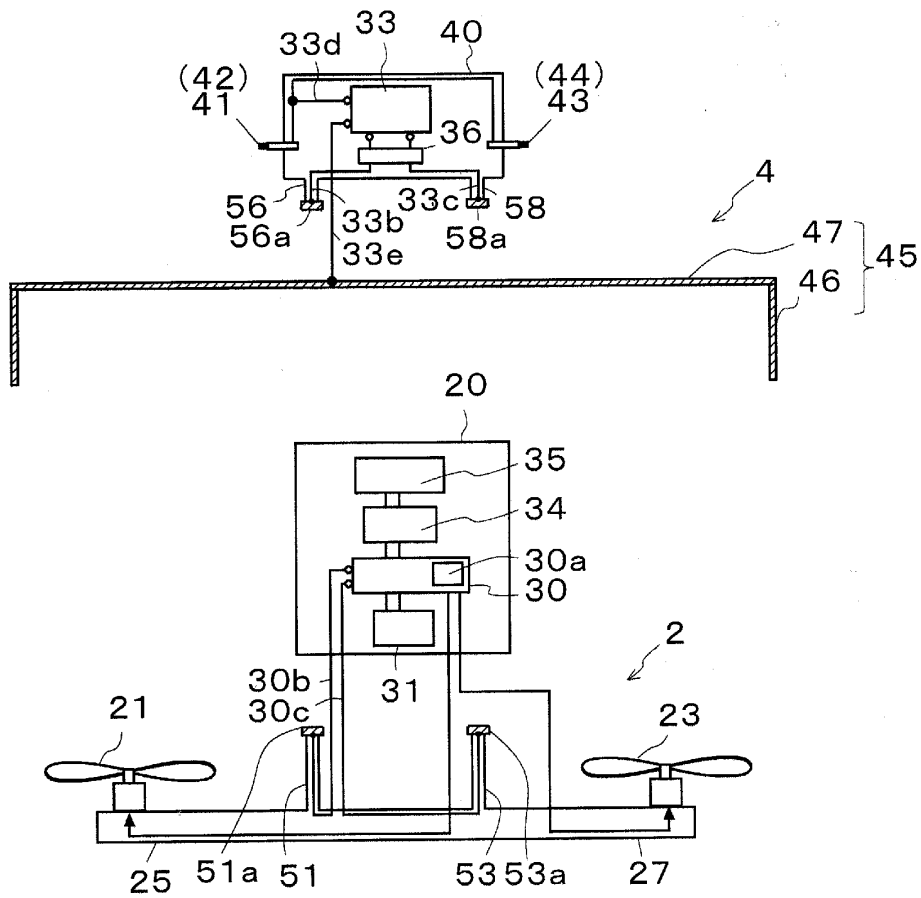
[図6]



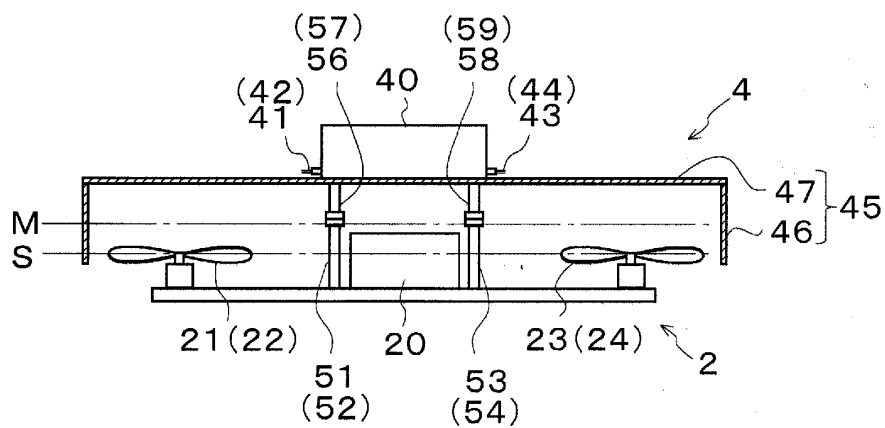
[図7]



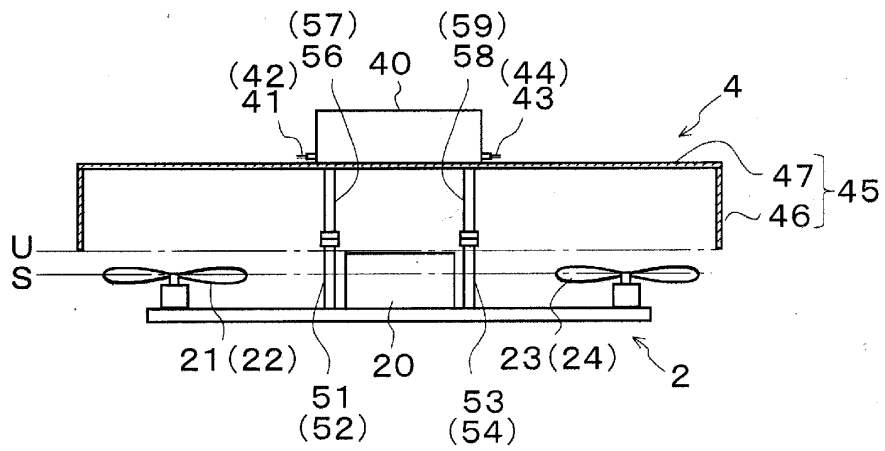
[図8]



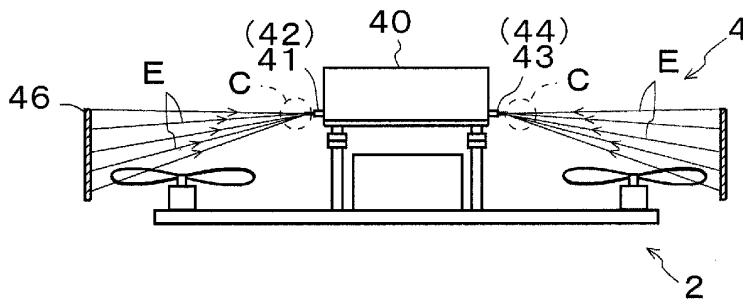
[図9]



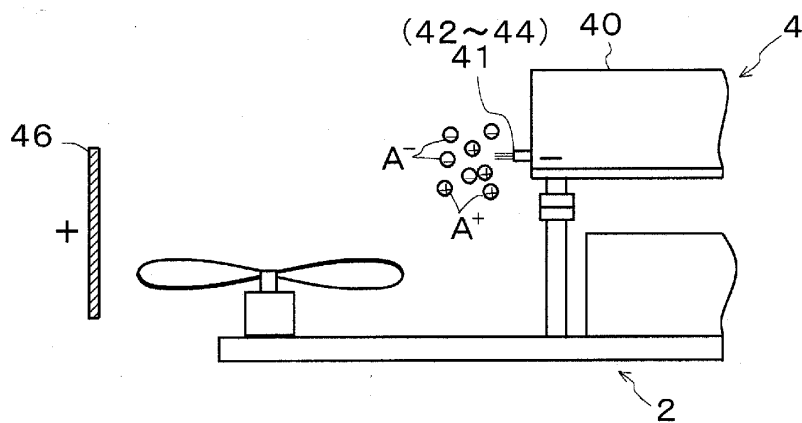
[図10]



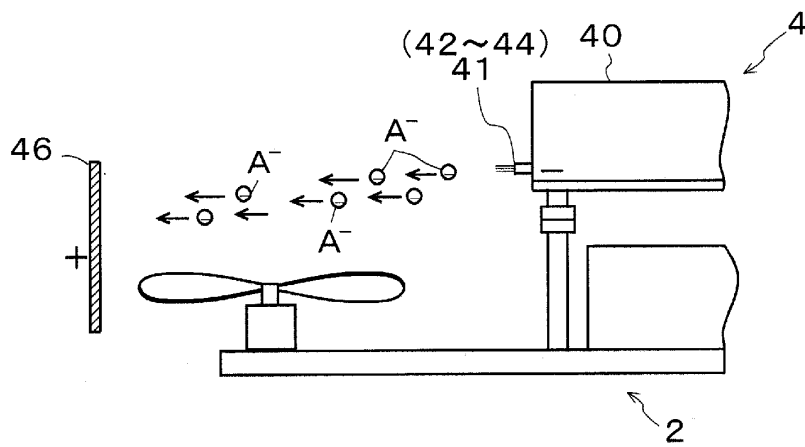
[図11]



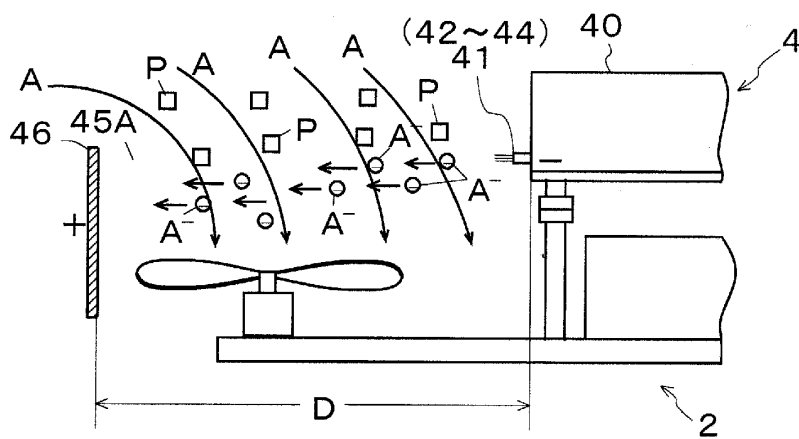
[図12]



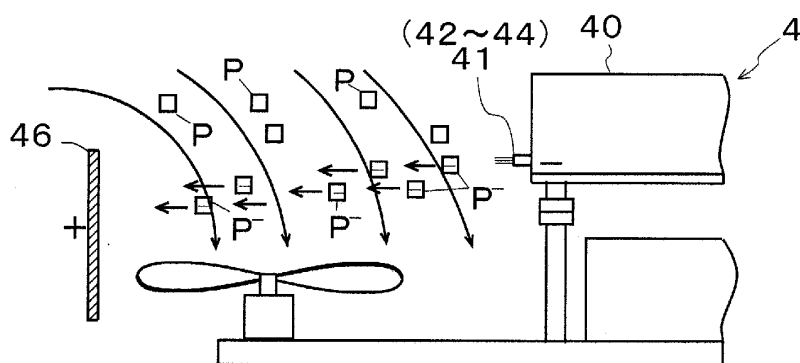
[図13]



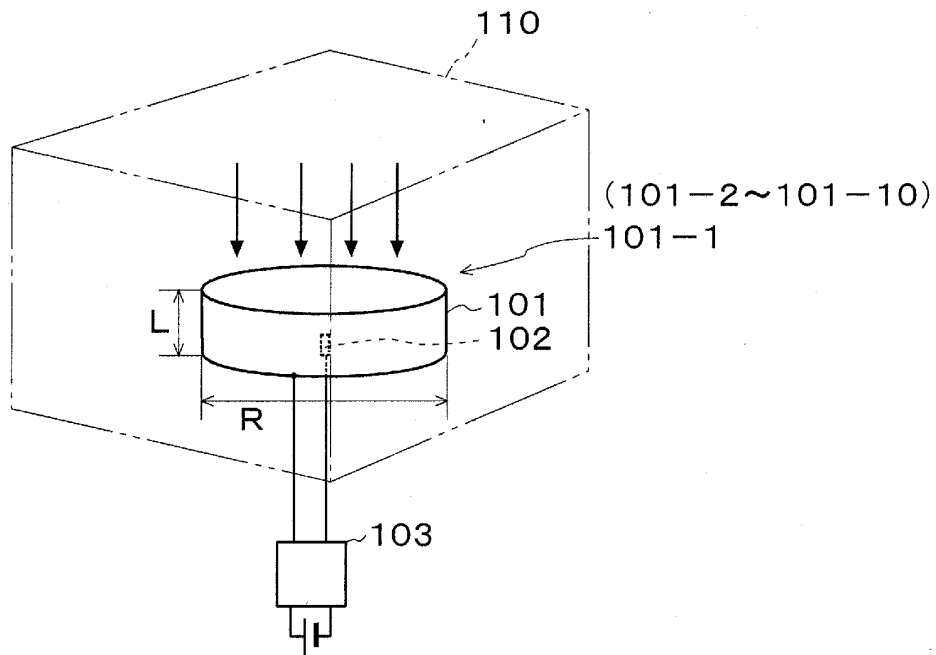
[図14]



[図15]



[図16]



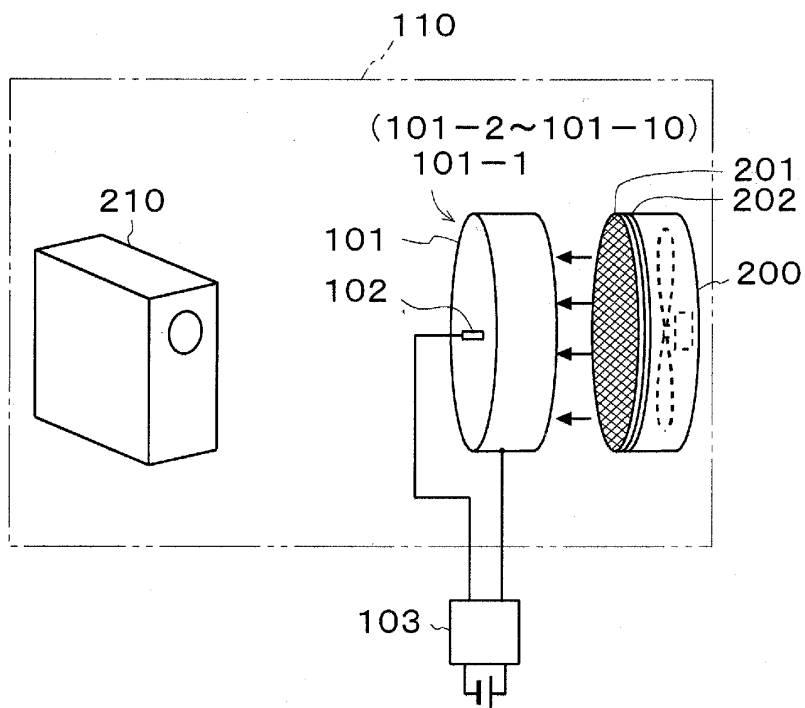
[図17]

| 集塵器    | 高さ $L$<br>(cm) | 直径 $R$<br>(cm) | 電極面積<br>( $m^2$ ) | 風の<br>通過断面積<br>( $m^2$ ) | 集塵器の<br>通過風量<br>( $m^3/s$ ) |
|--------|----------------|----------------|-------------------|--------------------------|-----------------------------|
| 100-1  | 1.25           | 10             | 0.0039            | 0.0079                   | 0.0118                      |
| 100-2  | 2.5            | 10             | 0.0079            | 0.0079                   | 0.0118                      |
| 100-3  | 5              | 10             | 0.0157            | 0.0079                   | 0.0118                      |
| 100-4  | 2.5            | 20             | 0.0157            | 0.0014                   | 0.0471                      |
| 100-5  | 5              | 20             | 0.0314            | 0.0014                   | 0.0471                      |
| 100-6  | 10             | 20             | 0.0628            | 0.0014                   | 0.0471                      |
| 100-7  | 2.5            | 5              | 0.0039            | 0.0020                   | 0.0029                      |
| 100-8  | 5              | 5              | 0.0079            | 0.0020                   | 0.0029                      |
| 100-9  | 10             | 10             | 0.0314            | 0.0079                   | 0.0118                      |
| 100-10 | 1.25           | 5              | 0.0020            | 0.0020                   | 0.0029                      |

[図18]

| 集塵器    | 減衰率<br>(1/min) | 自然減衰<br>(1/min) | CADR<br>(m <sup>3</sup> /min) | 集塵率<br>(CDRA/Q)<br>(%) |
|--------|----------------|-----------------|-------------------------------|------------------------|
| 100-1  | 0.066          | 0.018           | 0.131                         | 18                     |
| 100-2  | 0.048          | 0.018           | 0.082                         | 12                     |
| 100-3  | 0.109          | 0.018           | 0.249                         | 35                     |
| 100-4  | 0.092          | 0.018           | 0.202                         | 7                      |
| 100-5  | 0.120          | 0.018           | 0.281                         | 10                     |
| 100-6  | 0.131          | 0.018           | 0.310                         | 11                     |
| 100-7  | 0.056          | 0.018           | 0.105                         | 59                     |
| 100-8  | 0.058          | 0.018           | 0.110                         | 62                     |
| 100-9  | 0.119          | 0.018           | 0.279                         | 39                     |
| 100-10 | 0.054          | 0.018           | 0.099                         | 56                     |

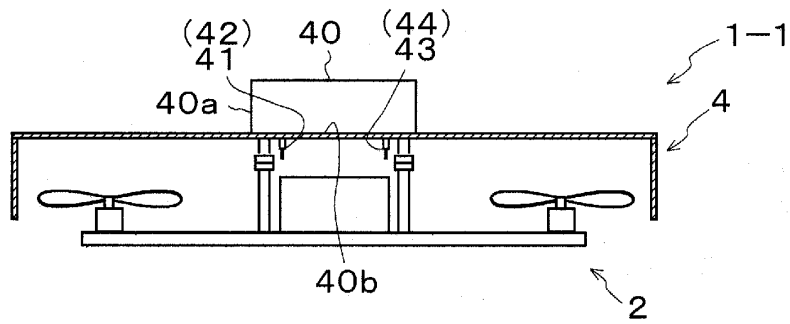
[図19]



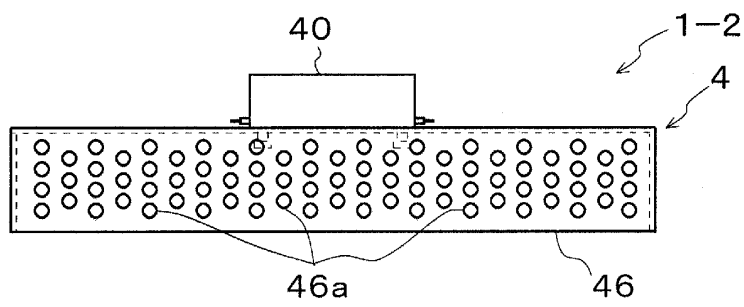
[図20]

| 集塵器    | 風速設定 | 負イオン濃度×10 <sup>3</sup> 個/CC |         |       |
|--------|------|-----------------------------|---------|-------|
|        |      | 平均                          | 分散      | 標準偏差  |
| 100-7  | A    | 0.1                         | 0.0     | 0.2   |
|        | B    | 0.0                         | 0.0     | 0.0   |
|        | C    | 0.0                         | 0.0     | 0.0   |
|        | D    | 0.0                         | 0.0     | 0.0   |
| 100-2  | A    | 445.0                       | 3449.1  | 58.7  |
|        | B    | 314.0                       | 221.0   | 14.9  |
|        | C    | 233.4                       | 719.3   | 26.8  |
|        | D    | 129.9                       | 12808.4 | 113.2 |
| 100-8  | A    | 49.3                        | 4855.1  | 69.7  |
|        | B    | 0.0                         | 0.0     | 0.0   |
|        | C    | 0.0                         | 0.0     | 0.0   |
|        | D    | 0.0                         | 0.0     | 0.0   |
| 100-3  | A    | 208.2                       | 1458.0  | 38.2  |
|        | B    | 53.1                        | 1223.1  | 35.0  |
|        | C    | 0.2                         | 0.1     | 0.2   |
|        | D    | 0.0                         | 0.0     | 0.0   |
| 100-5  | A    | 431.3                       | 1453.5  | 38.1  |
|        | B    | 316.0                       | 308.9   | 17.6  |
|        | C    | 276.4                       | 22.0    | 4.7   |
|        | D    | 197.3                       | 7687.9  | 87.7  |
| 100-9  | A    | 0.0                         | 0.0     | 0.0   |
|        | B    | 0.0                         | 0.0     | 0.0   |
|        | C    | 0.0                         | 0.0     | 0.0   |
|        | D    | 0.0                         | 0.0     | 0.0   |
| 100-6  | A    | 225.2                       | 4195.3  | 64.8  |
|        | B    | 100.4                       | 1867.8  | 43.2  |
|        | C    | 29.2                        | 853.7   | 29.2  |
|        | D    | 2.5                         | 2.5     | 1.6   |
| 100-10 | A    | 0.0                         | 0.0     | 0.0   |
|        | B    | 0.0                         | 0.0     | 0.0   |
|        | C    | 0.0                         | 0.0     | 0.0   |
|        | D    | 0.0                         | 0.0     | 0.0   |
| 100-1  | A    | 420.4                       | 564.5   | 23.8  |
|        | B    | 277.7                       | 2933.8  | 54.2  |
|        | C    | 138.8                       | 16913.3 | 130.1 |
|        | D    | 86.8                        | 15068.5 | 122.8 |
| 100-4  | A    | 472.9                       | 44.2    | 6.6   |
|        | B    | 351.3                       | 343.2   | 18.5  |
|        | C    | 296.1                       | 292.8   | 17.1  |
|        | D    | 229.8                       | 348.5   | 18.7  |

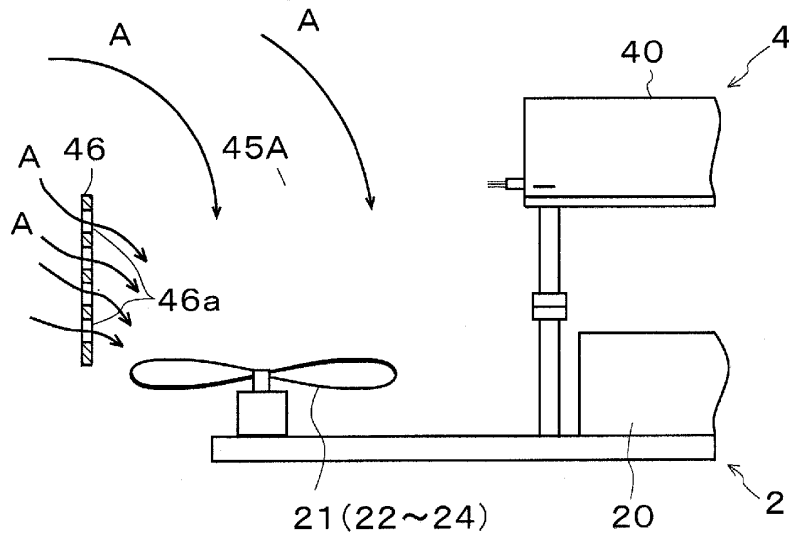
[図21]



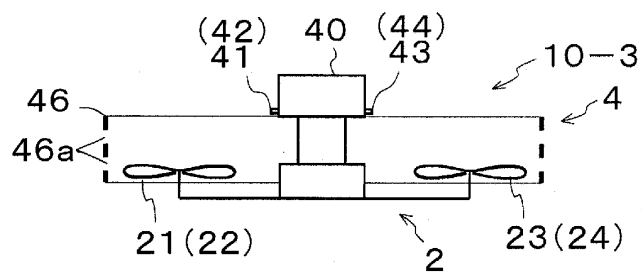
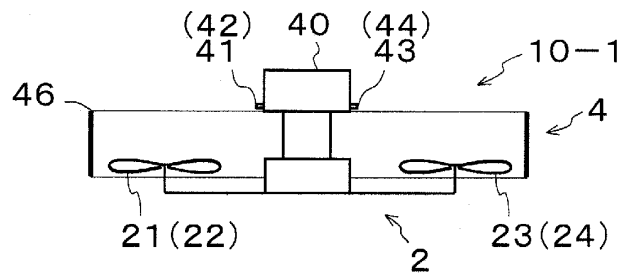
[図22]



[図23]



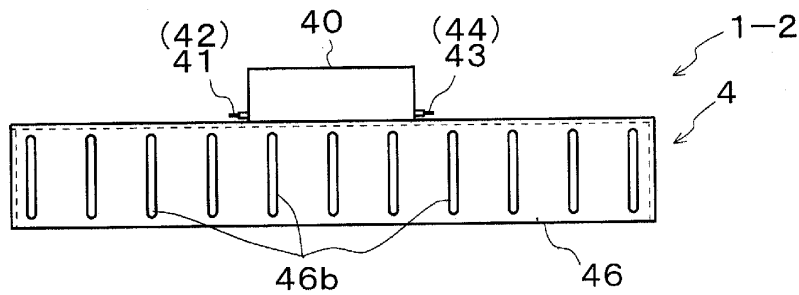
[図24]



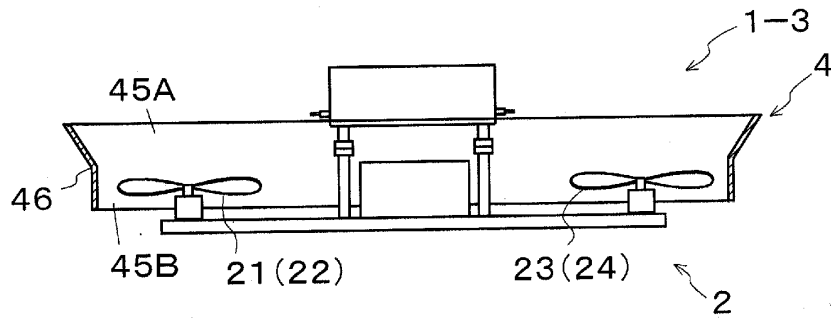
[図25]

| 集塵器  | 減衰率<br>(1/min) | CADR<br>(m <sup>3</sup> /min) |
|------|----------------|-------------------------------|
| 10-1 | 0.1045         | 0.2344                        |
| 10-3 | 0.1015         | 0.2181                        |

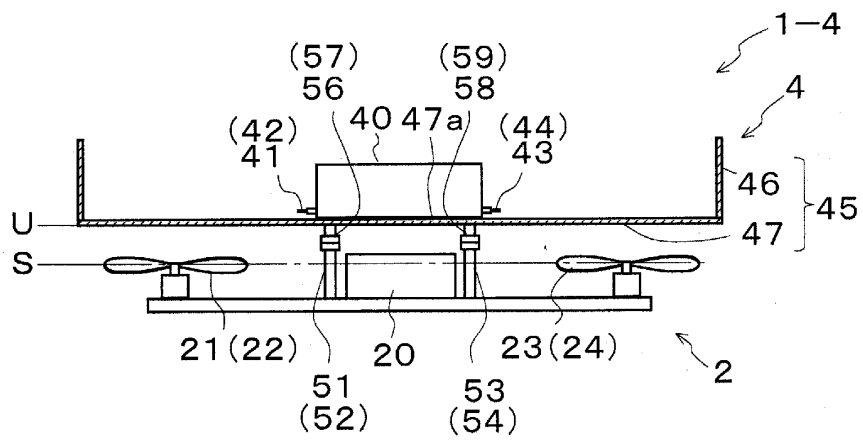
[図26]



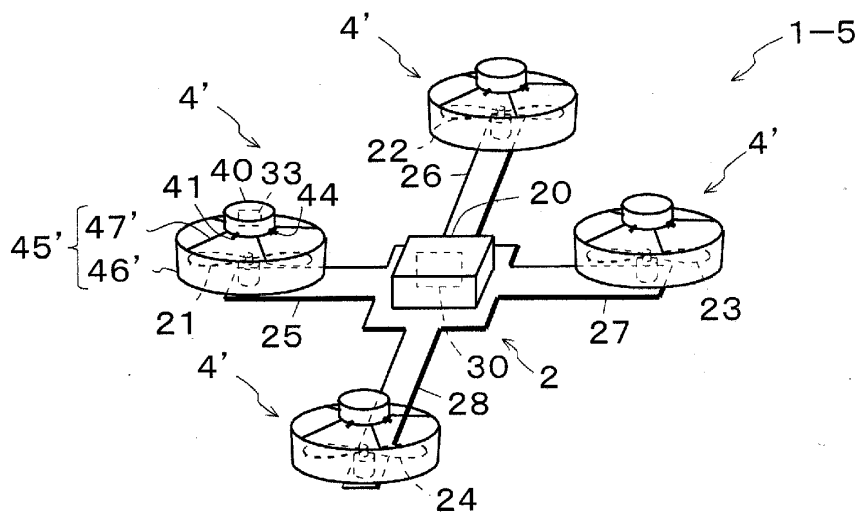
[図27]



[図28]

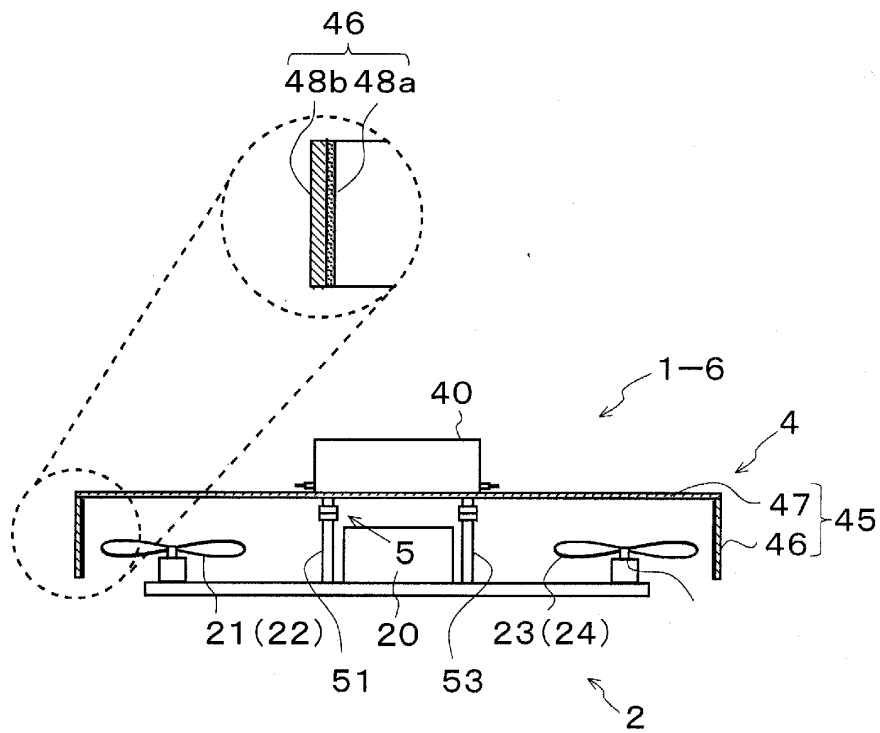


[図29]





[図32]



[図33]

