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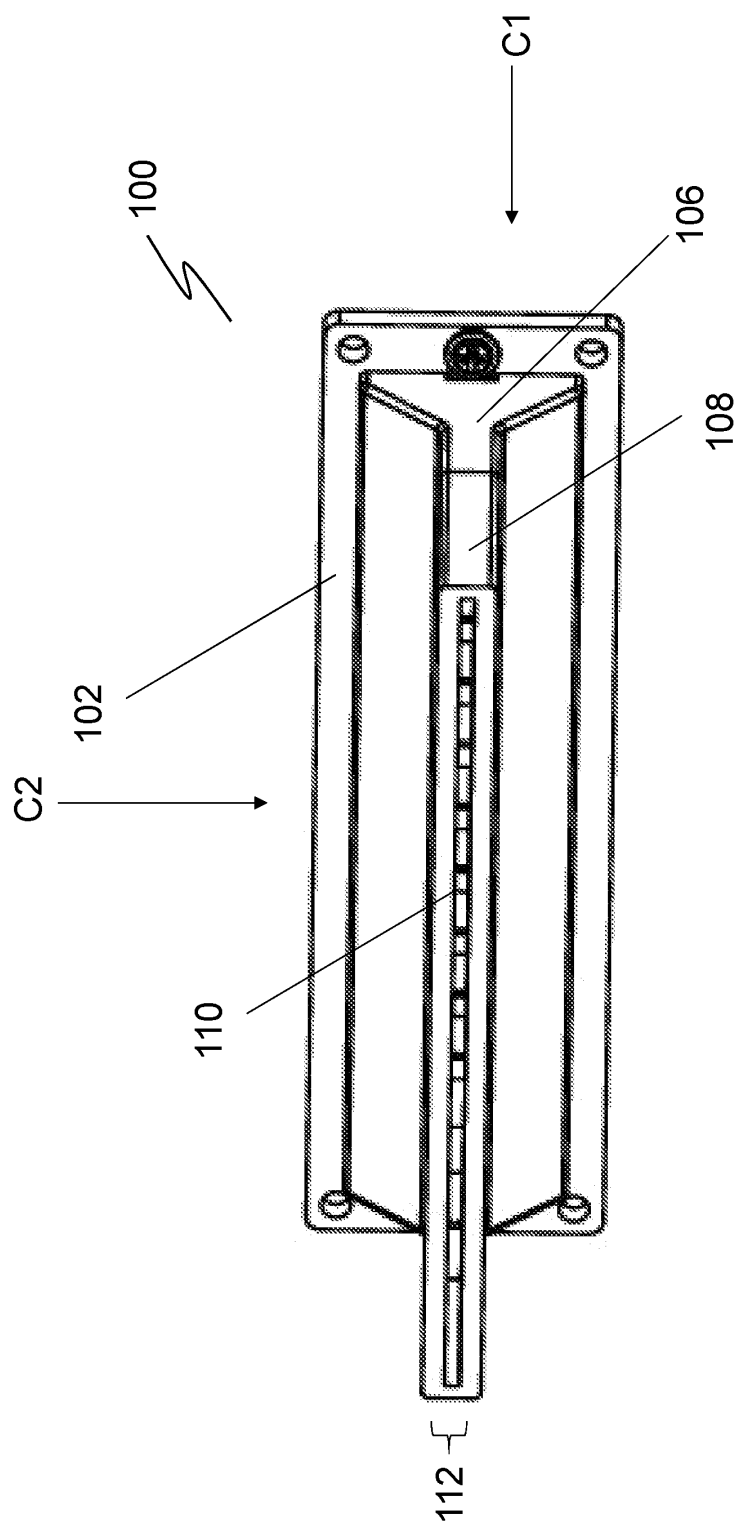


Figure 1a

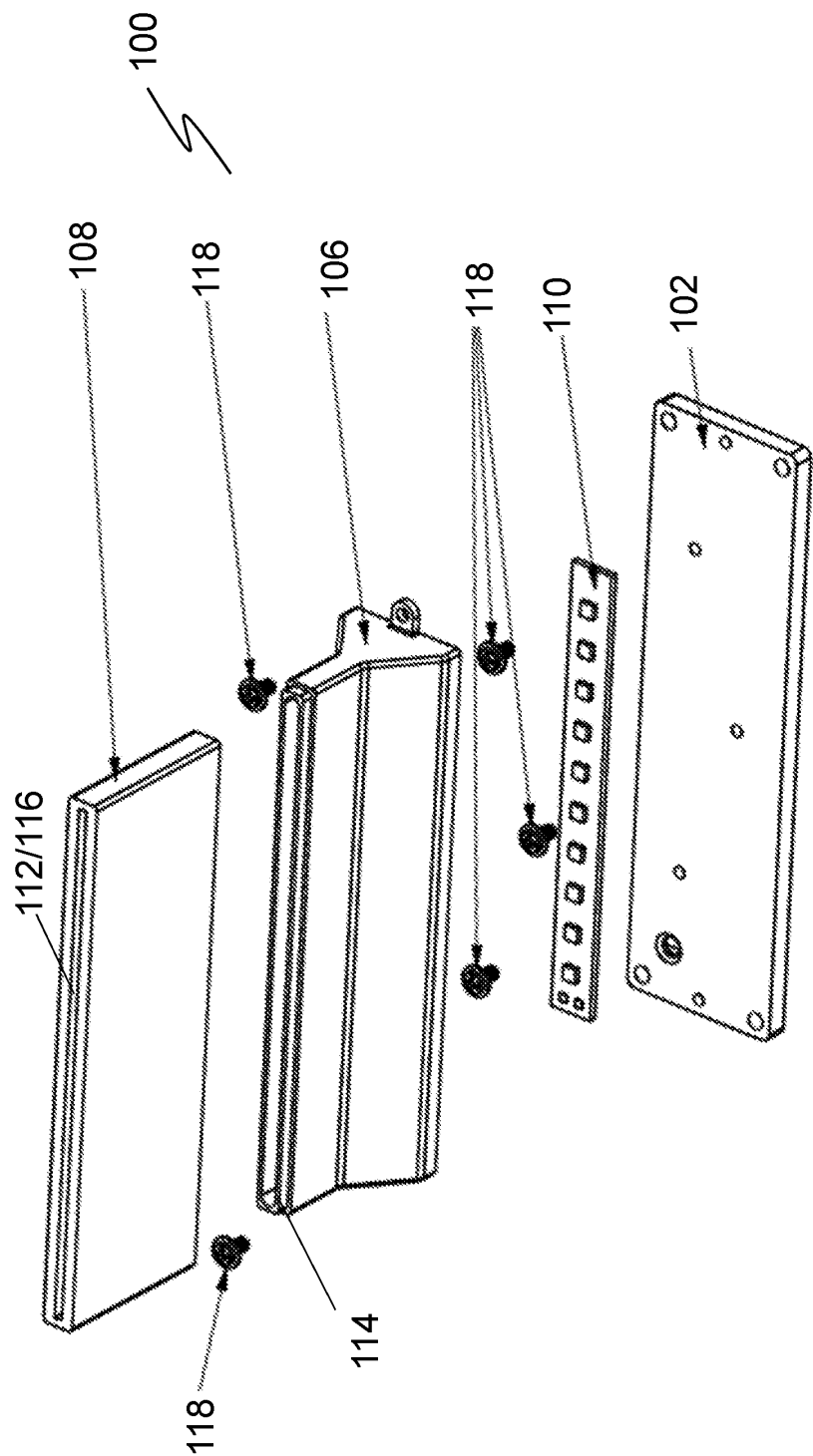


Figure 1b

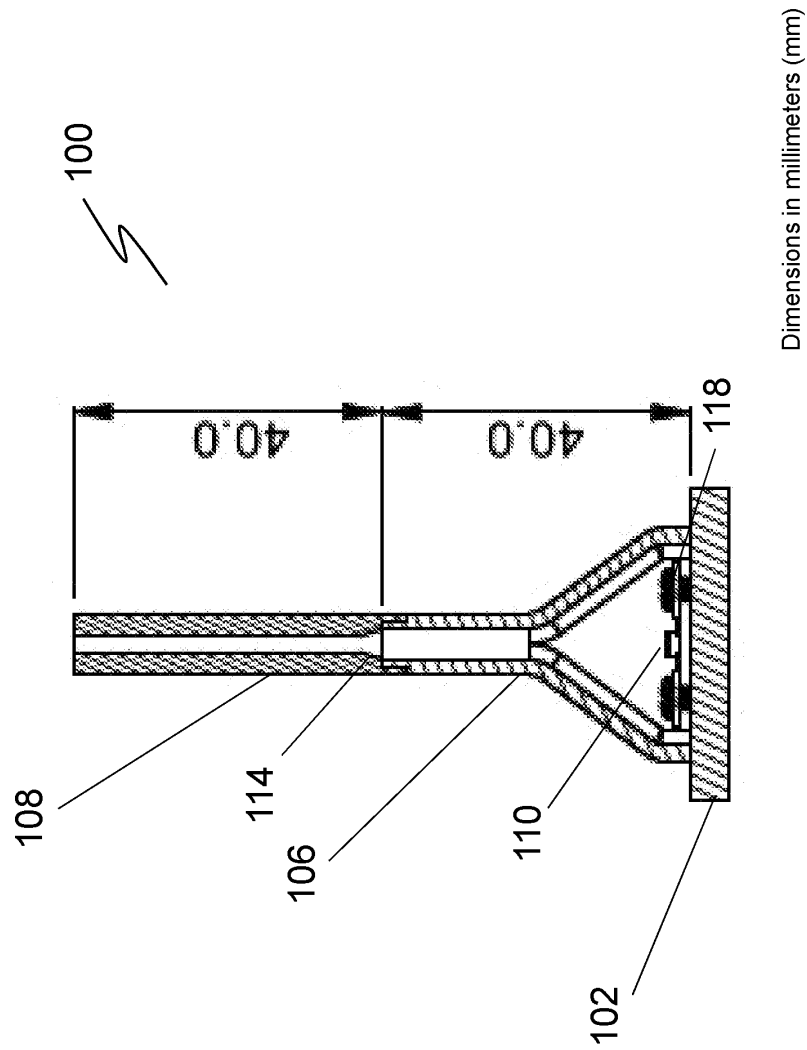
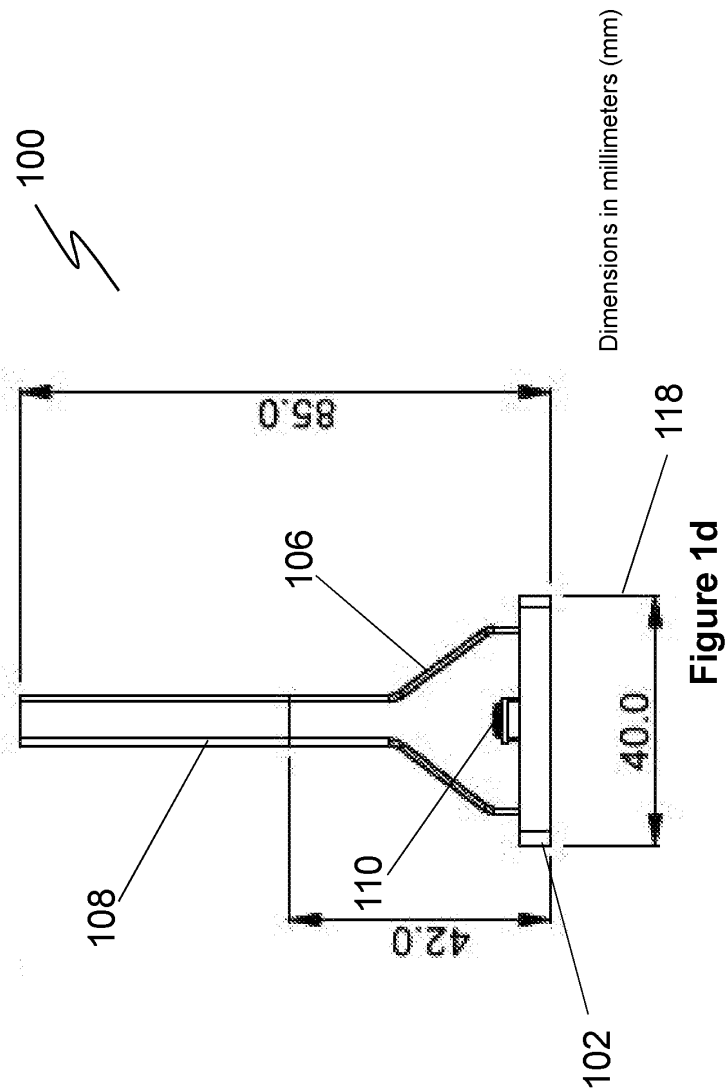


Figure 1c



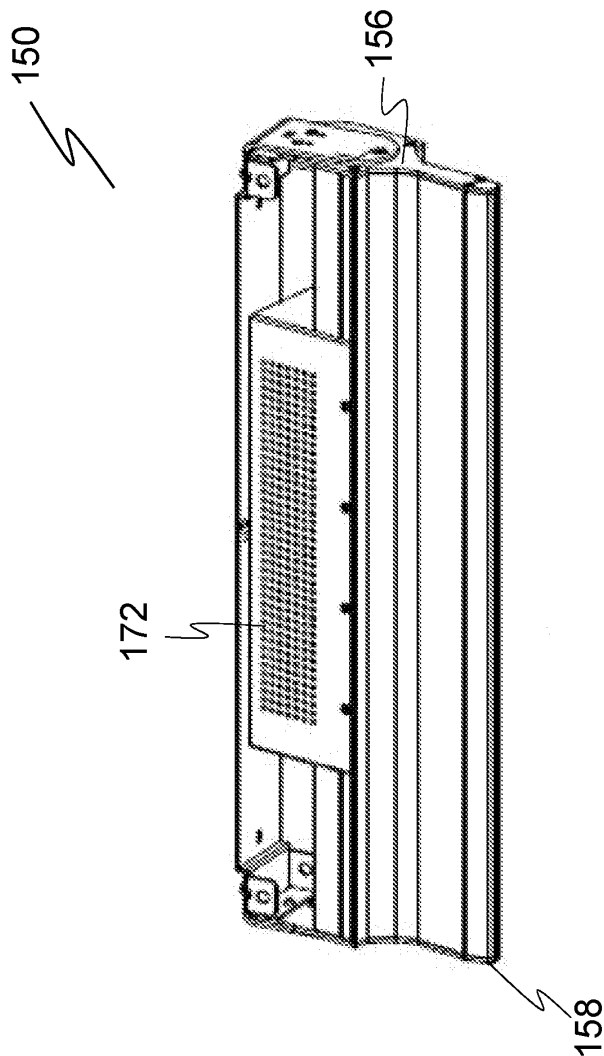


Figure 2a

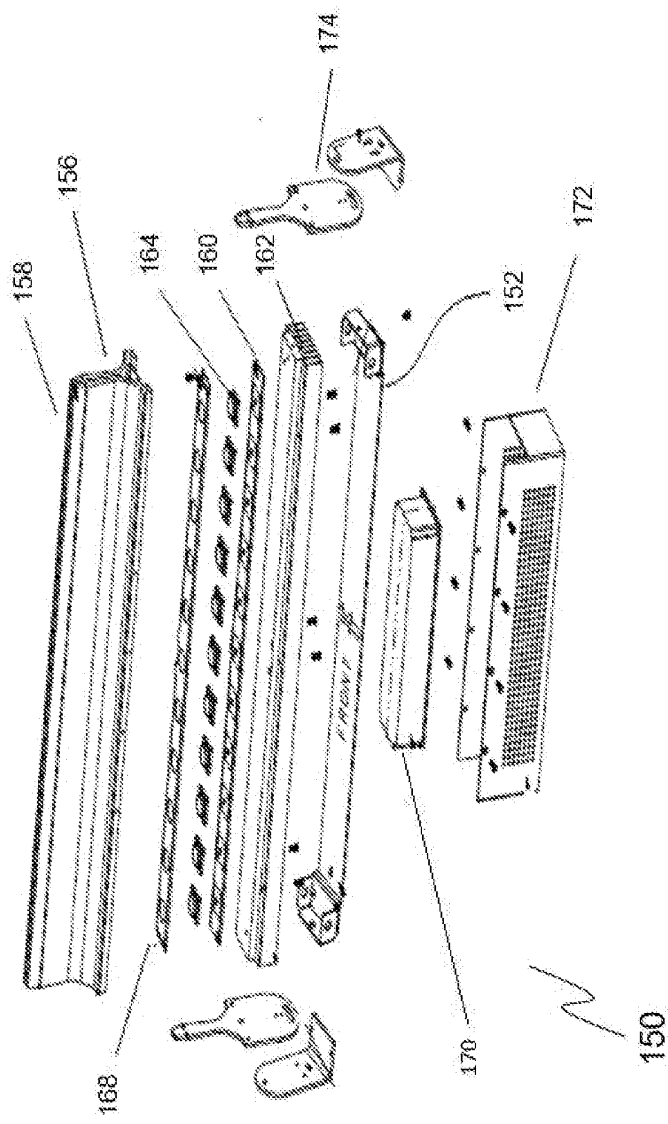


Figure 2b

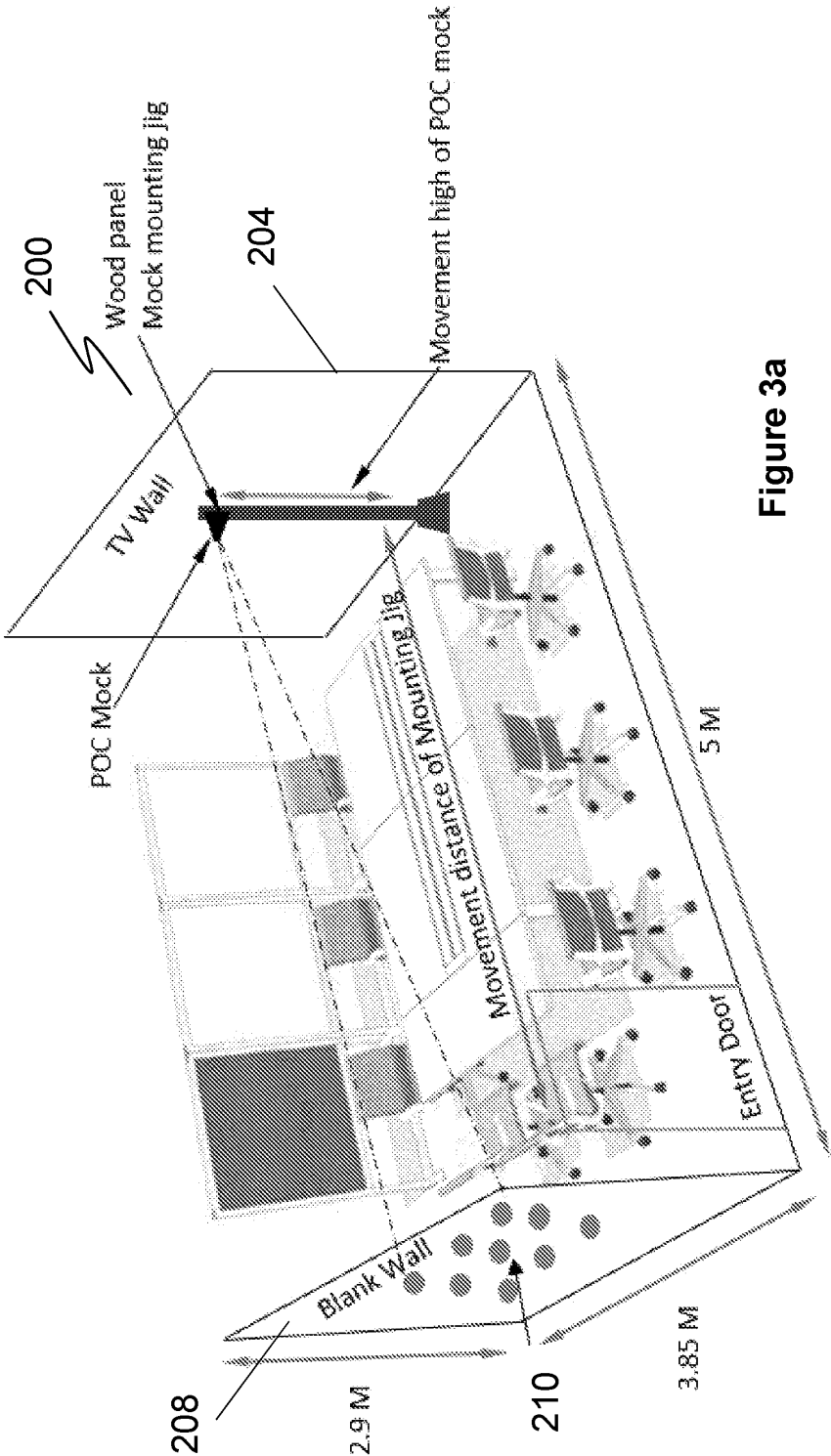


Figure 3a

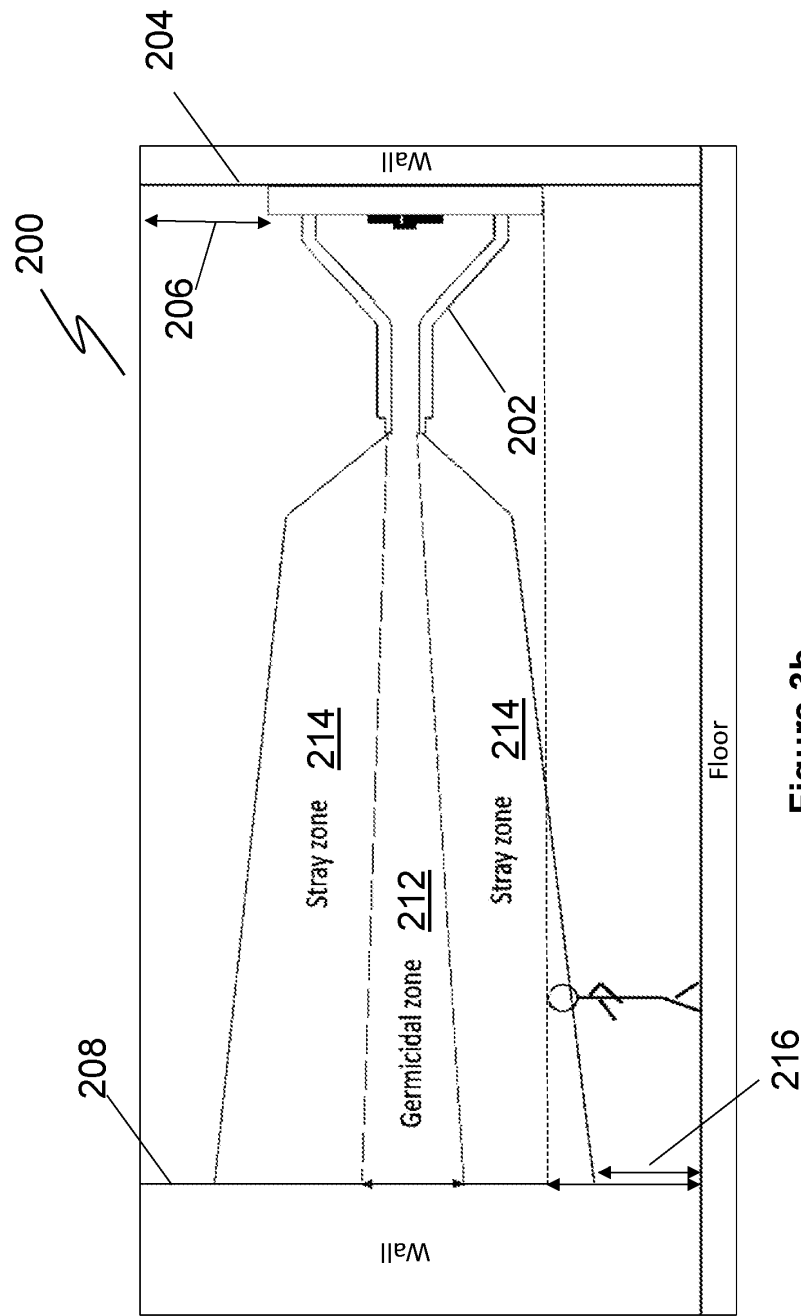


Figure 3b

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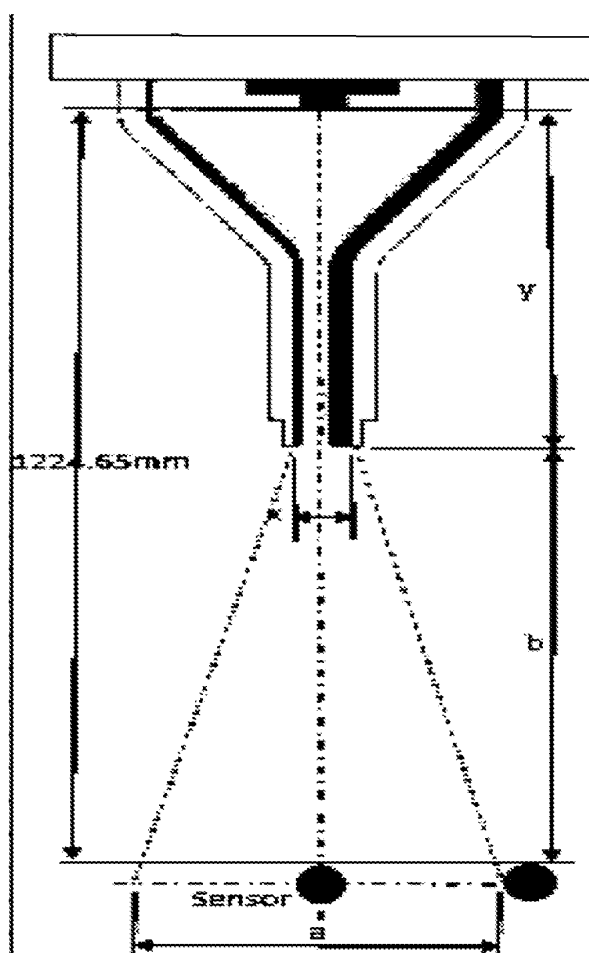


Figure 3c

$$\frac{a}{b} = \frac{x}{y}$$

a = Projected image Width
 b = Distance Nozzle hole to Sensor
 x = Nozzle hole width
 y = Distance LED to Nozzle hole

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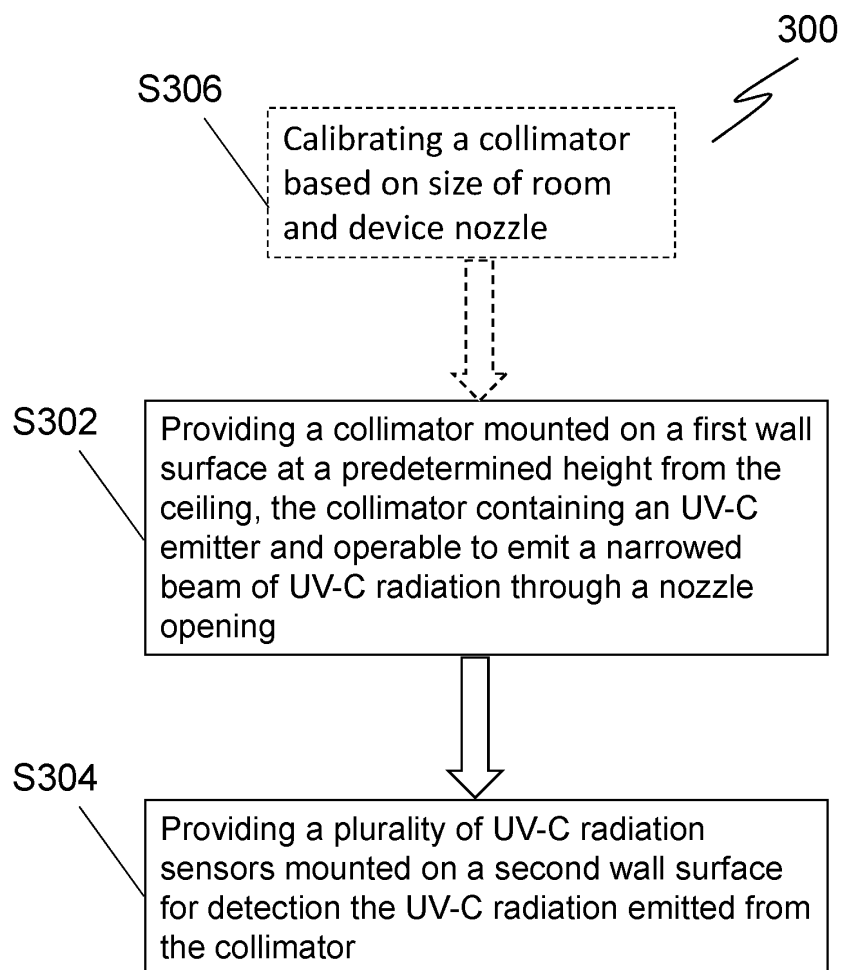


Figure 4

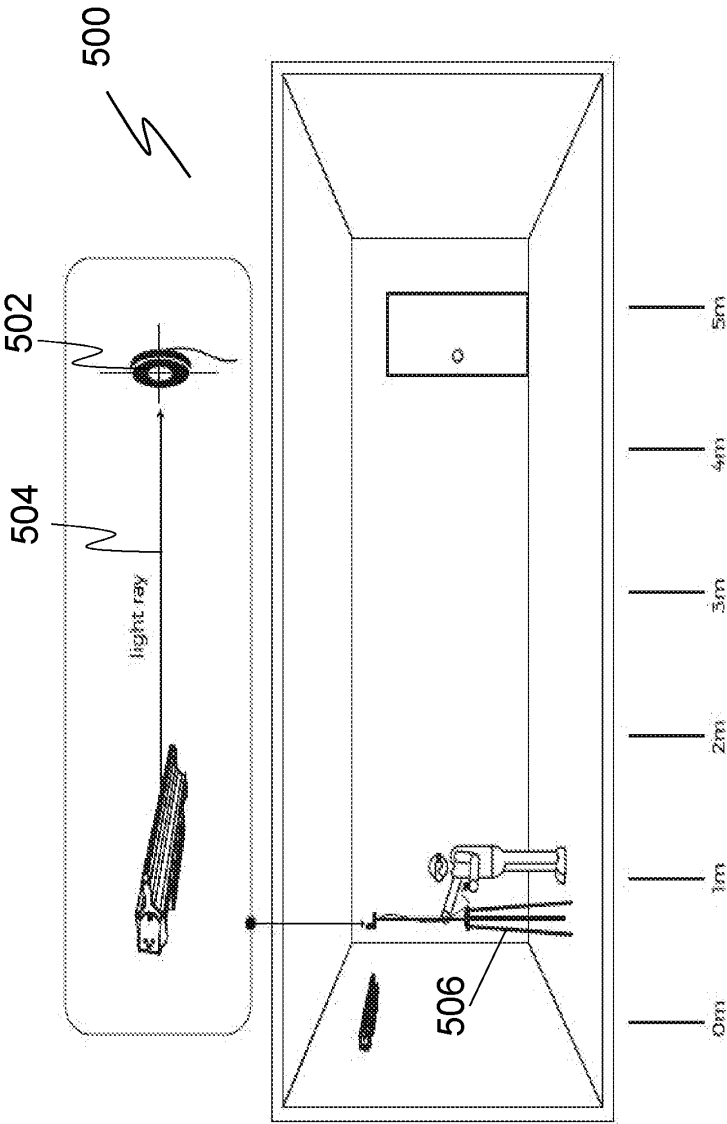


Figure 5