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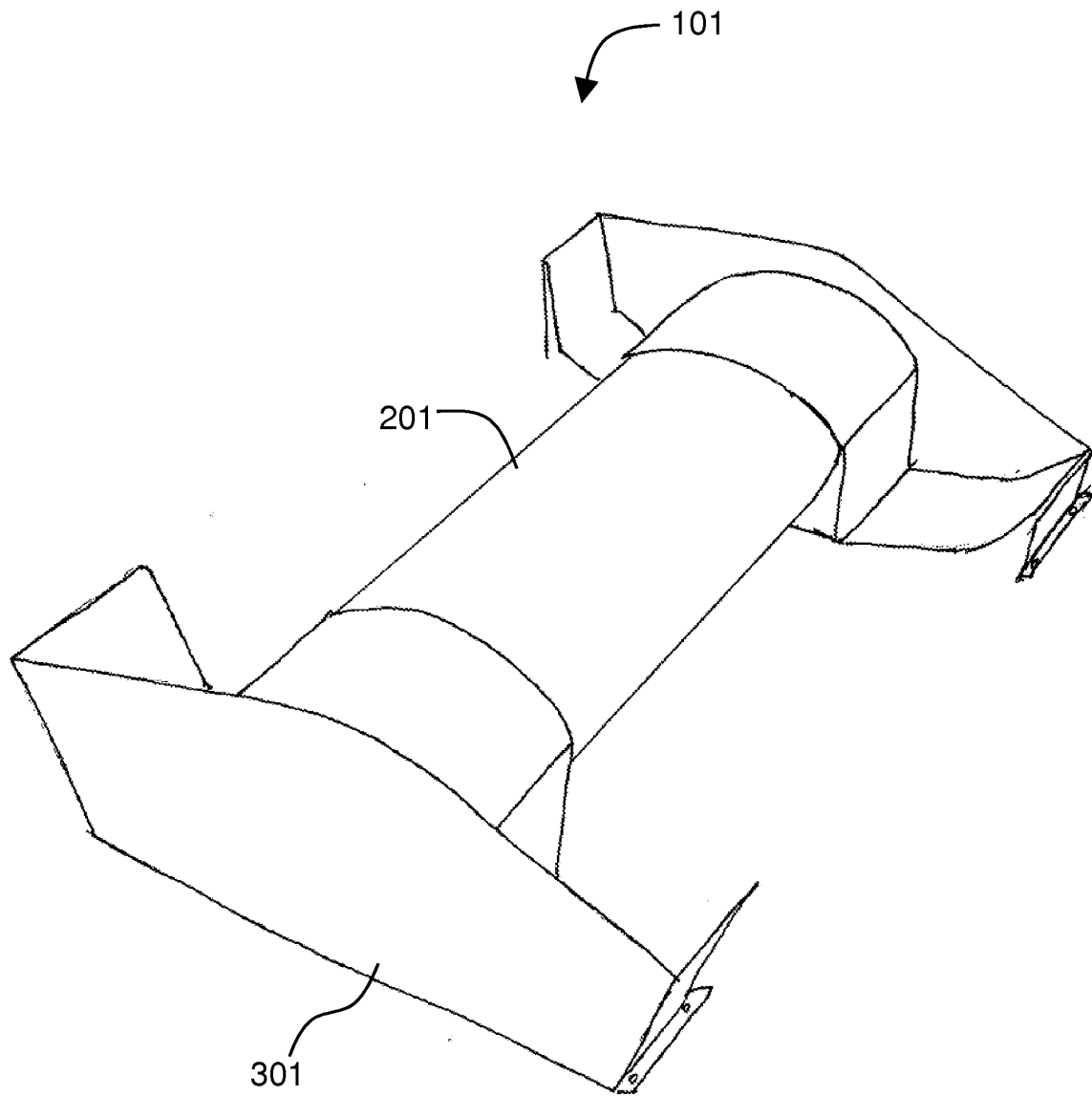


FIG. 1

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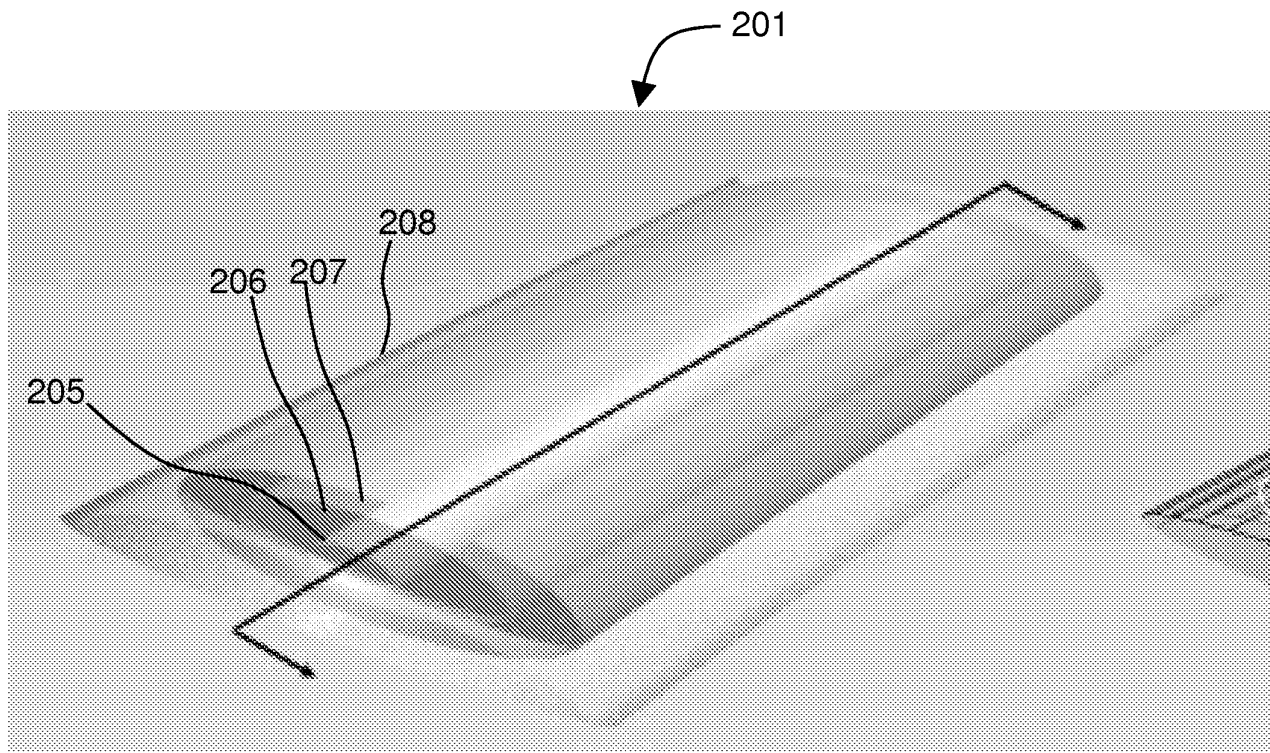


FIG. 2A

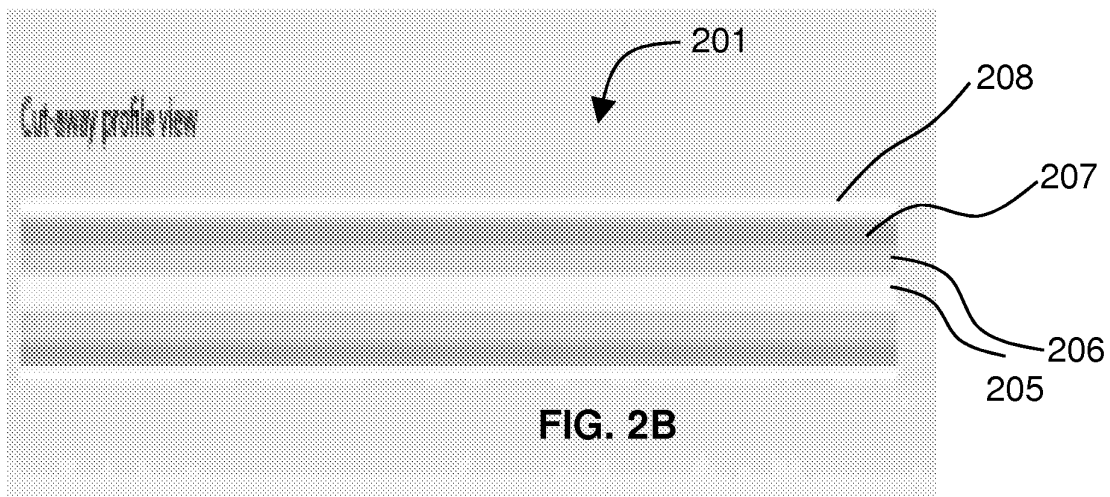


FIG. 2B

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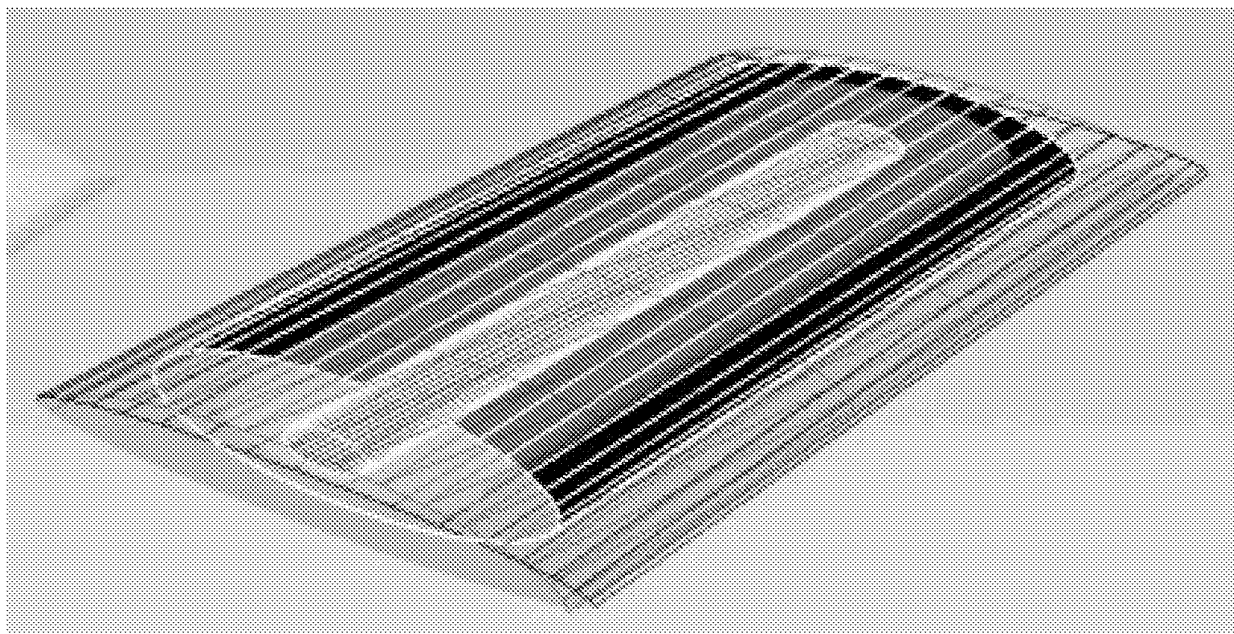


FIG. 2C

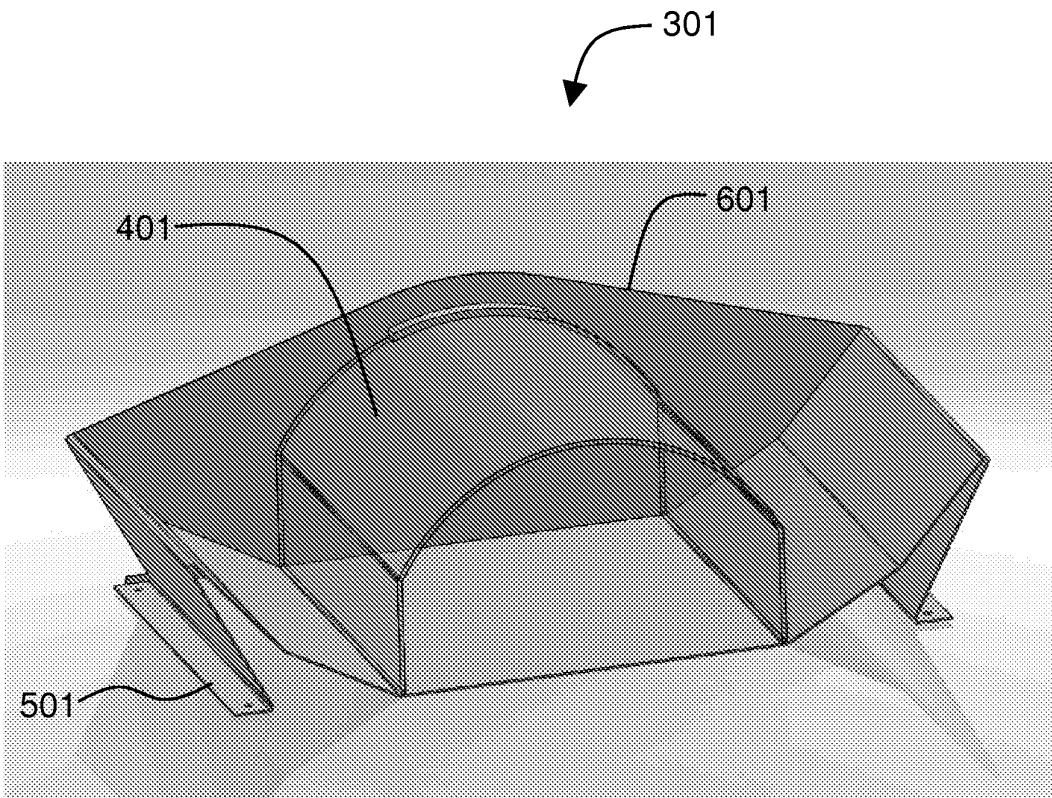
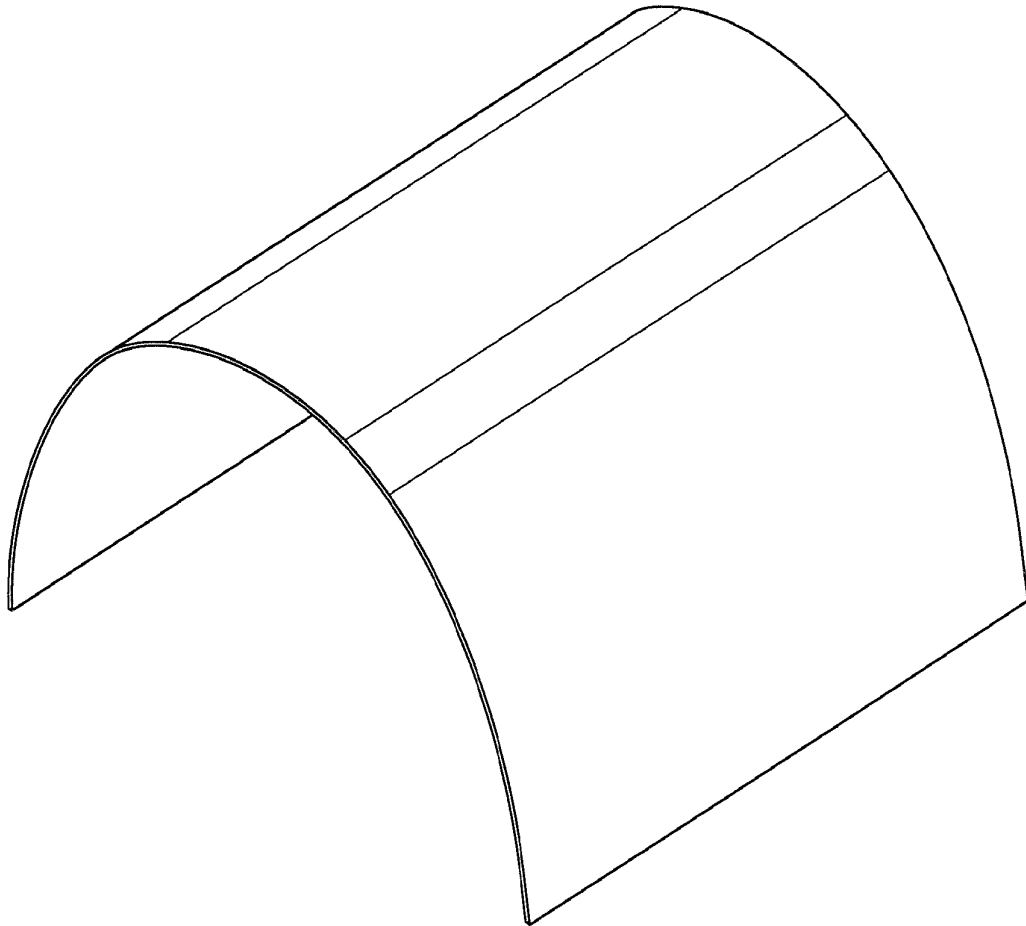


FIG. 3

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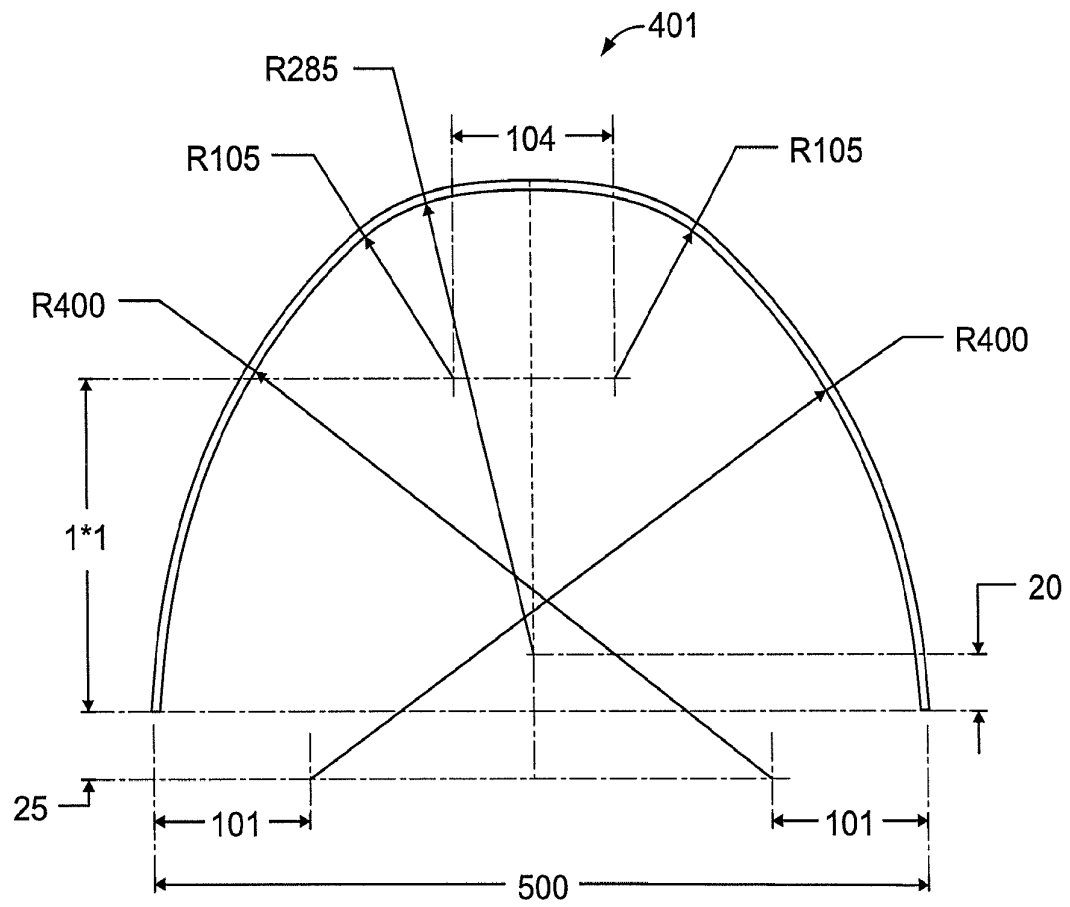
401



Perspective view

FIG. 4A

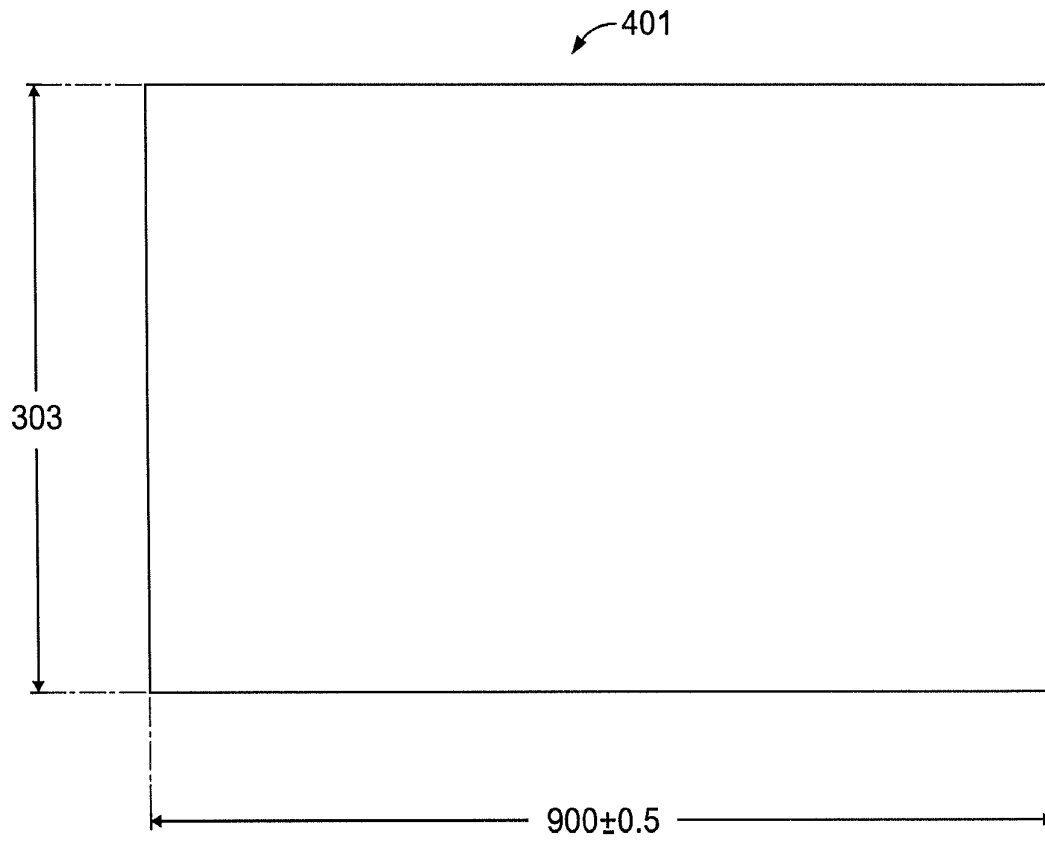
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End view

FIG. 4B

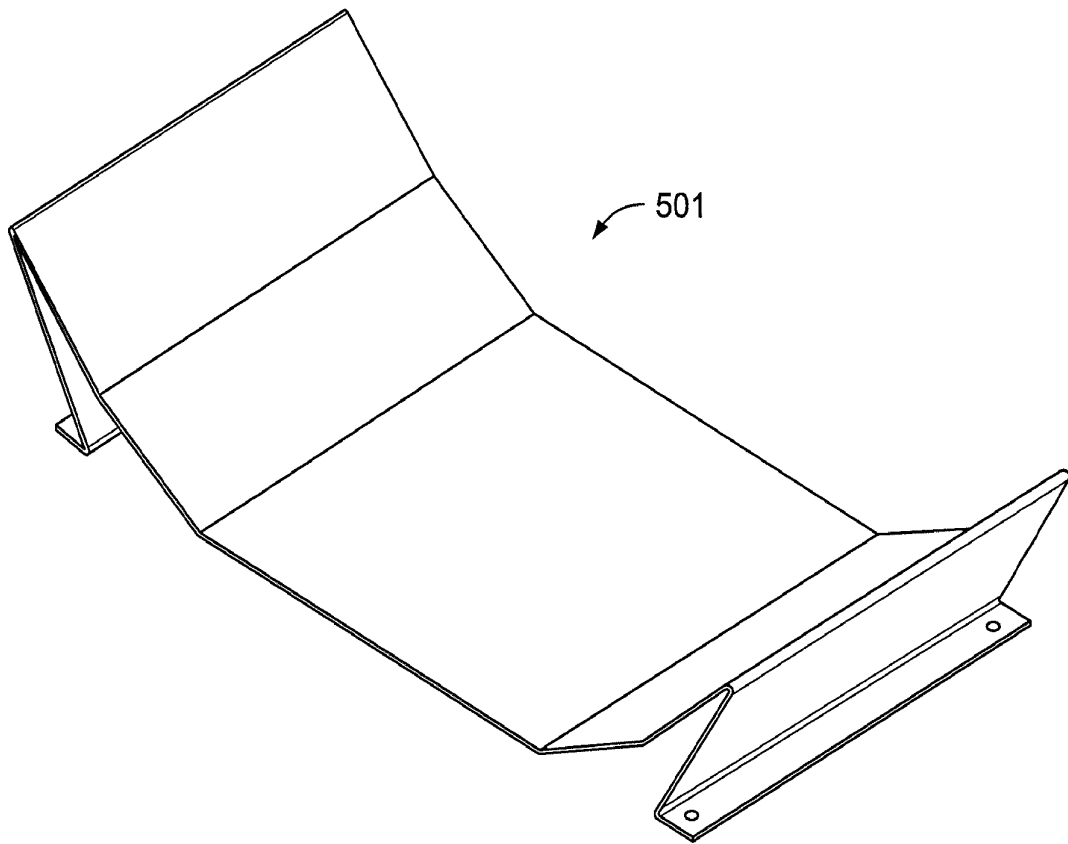
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Top view

FIG. 4C

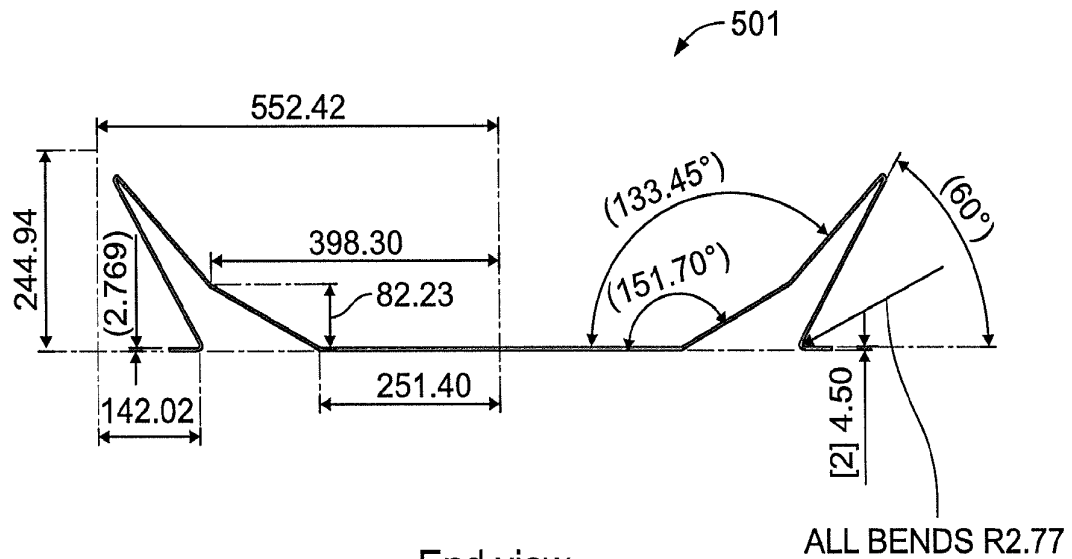
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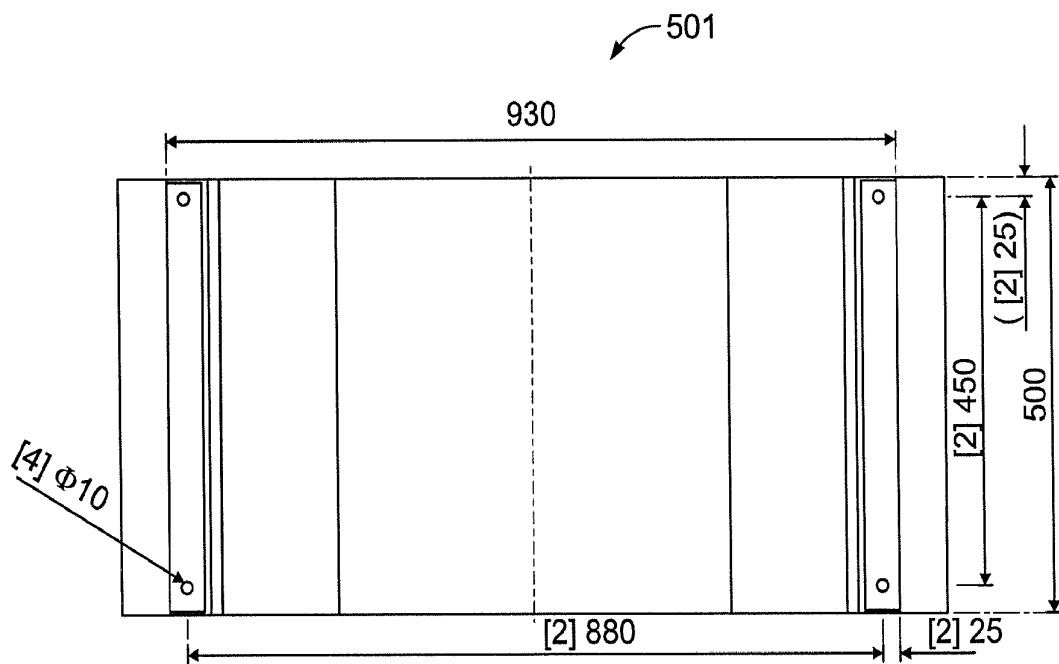
Perspective view

FIG. 5A

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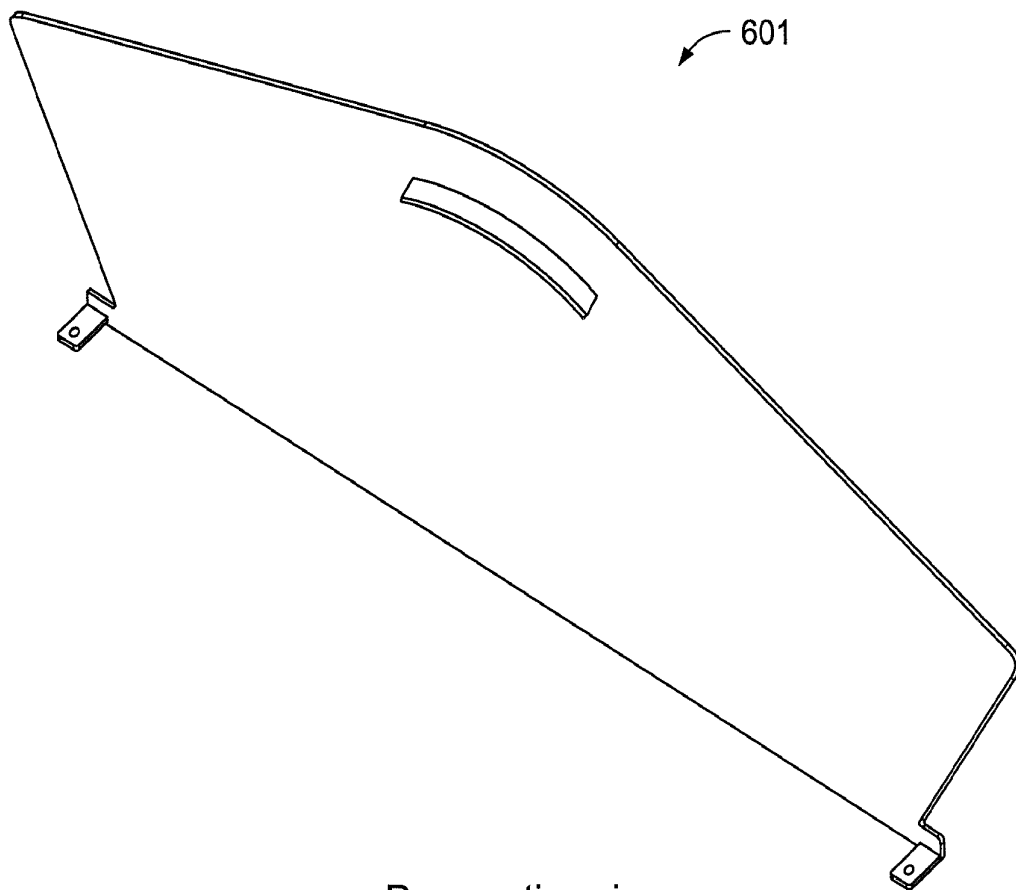
End view
FIG. 5B



Top view

FIG. 5C

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Perspective view
FIG. 6A

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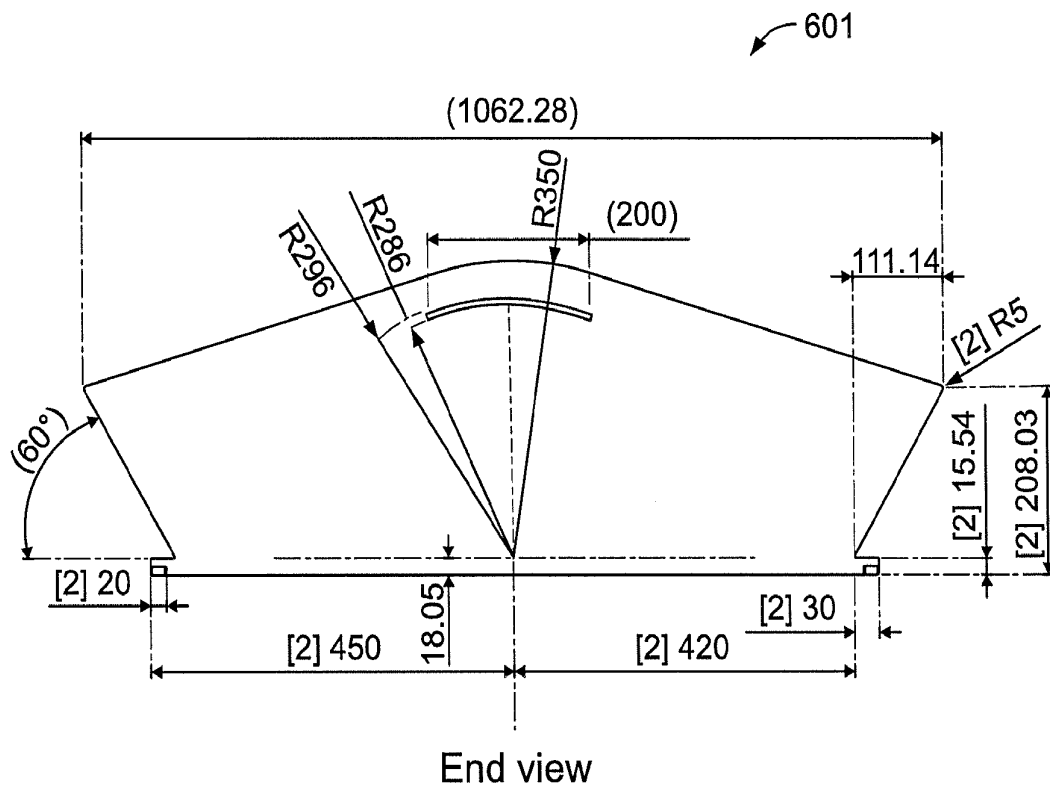


FIG. 6B

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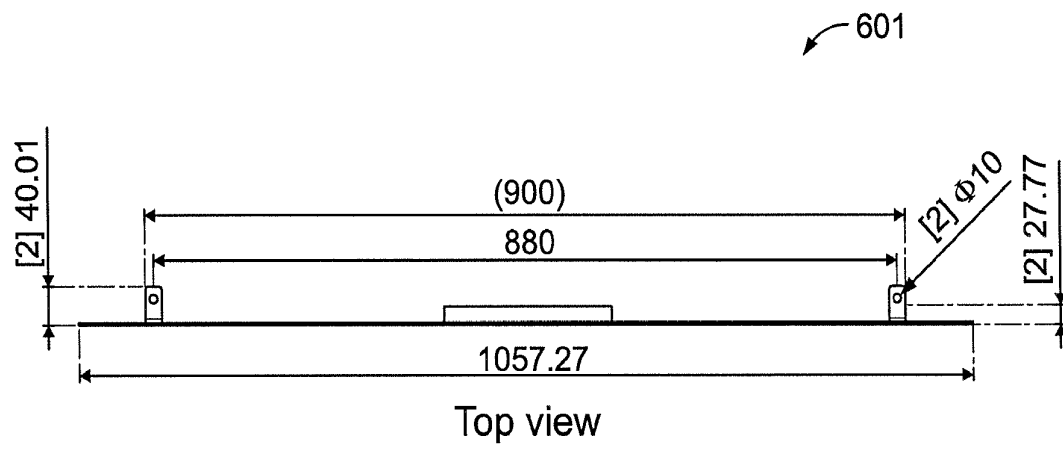


FIG. 6C

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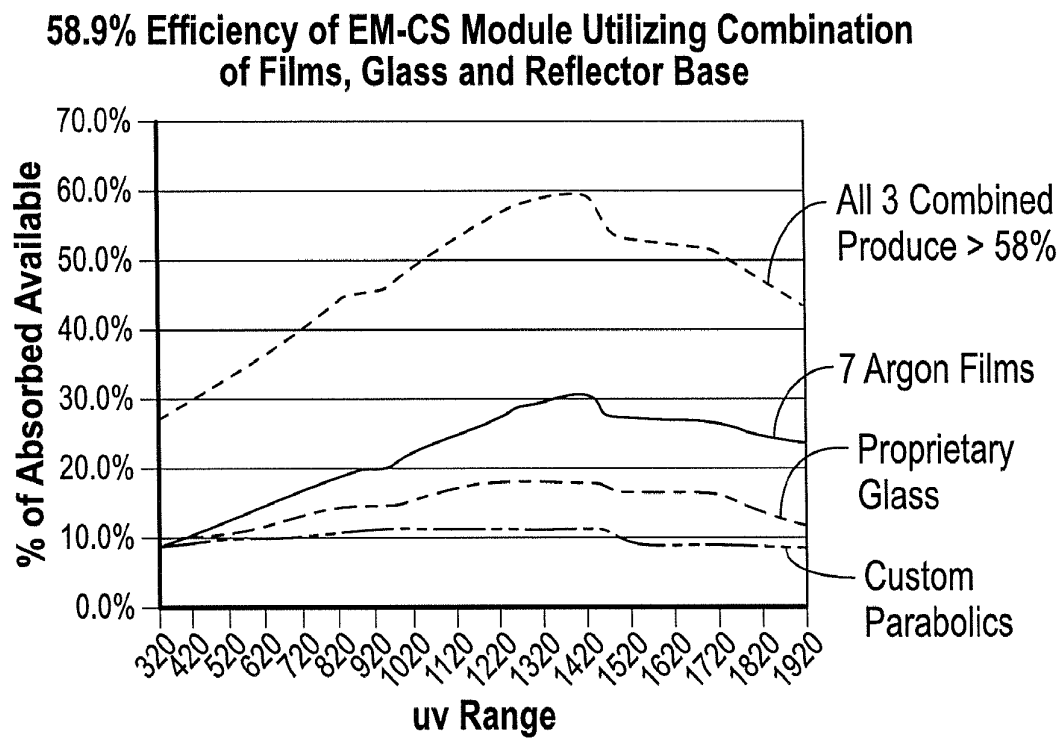


FIG. 7

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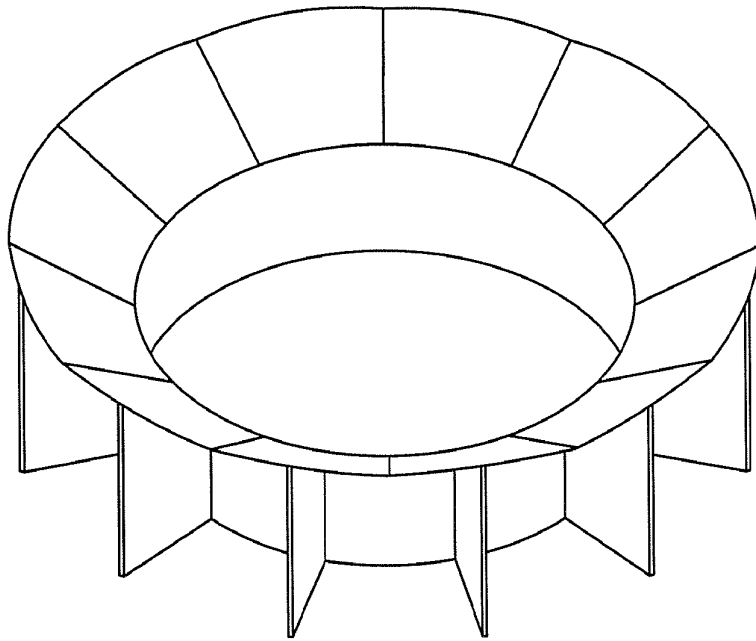


FIG. 8A

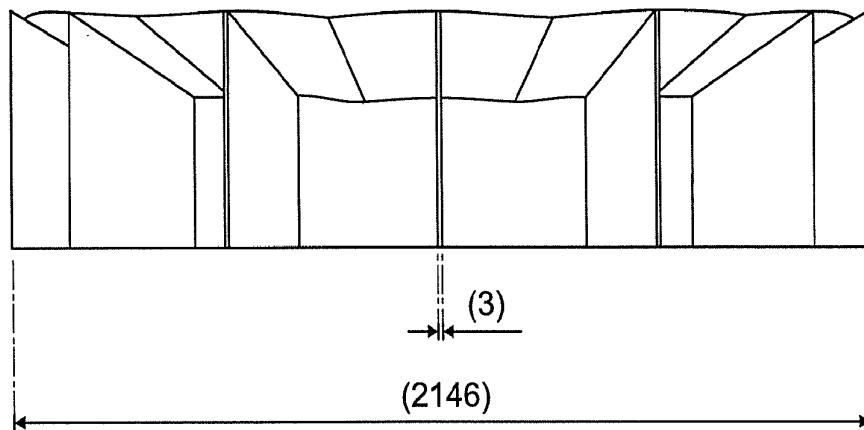


FIG. 8B

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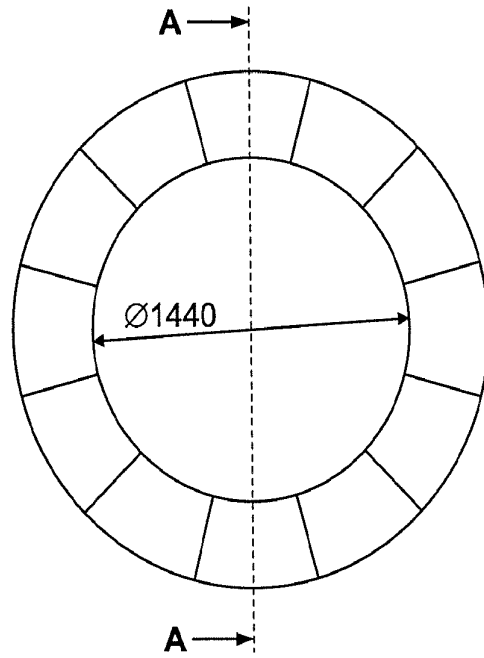
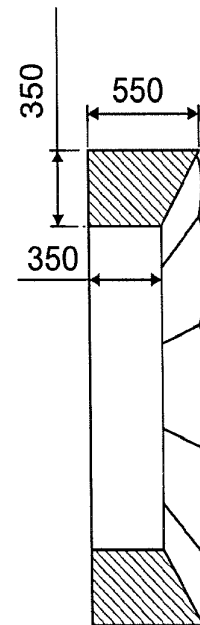


FIG. 8C



Section A-A

FIG. 8D

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$$\begin{bmatrix} x \\ y \\ z \end{bmatrix} = R \begin{bmatrix} X \\ Y \\ Z \end{bmatrix} + t$$

$$x' = x/z$$

$$y' = y/z$$

$$x'' = x' \frac{1+k_1r^2+k_2r^4+k_3r^6}{1+k_4r^2+k_5r^4+k_6r^6} + 2p_1x'y' + p_2(r^2+2x'^2)$$

$$y'' = y' \frac{1+k_1r^2+k_2r^4+k_3r^6}{1+k_4r^2+k_5r^4+k_6r^6} + p_1(r^2+2y'^2) + 2p_2x'y'$$

$$\text{where } r^2 = x'^2 + y'^2$$

$$u = f_x * x'' + c_x$$

$$v = f_y * y'' + c_y$$

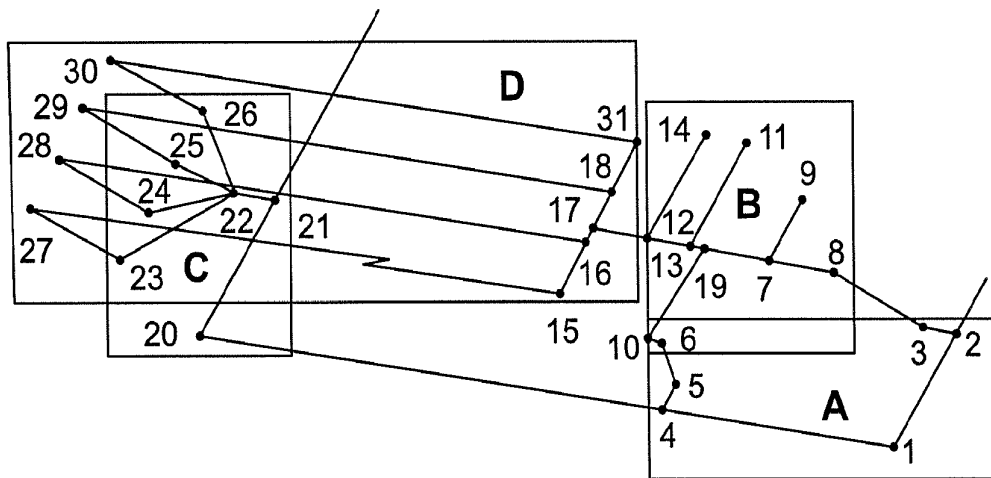
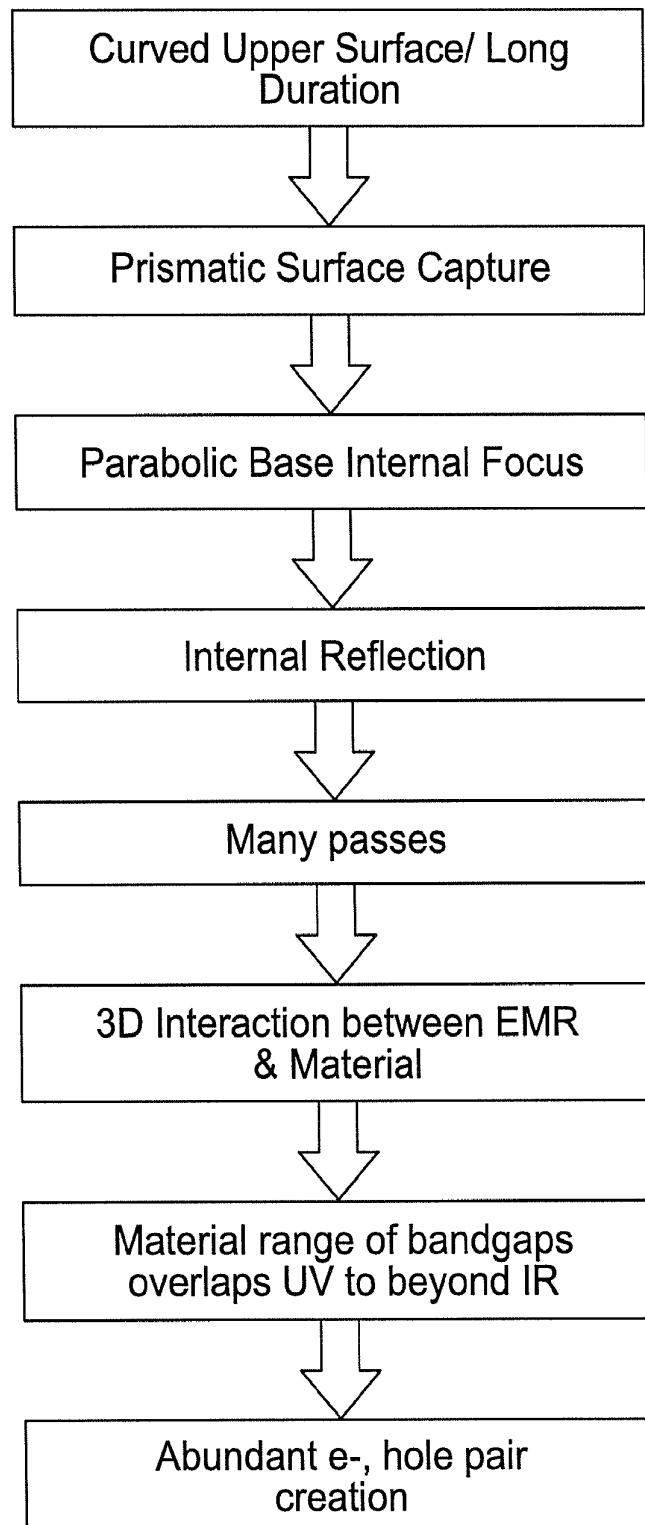


FIG. 9

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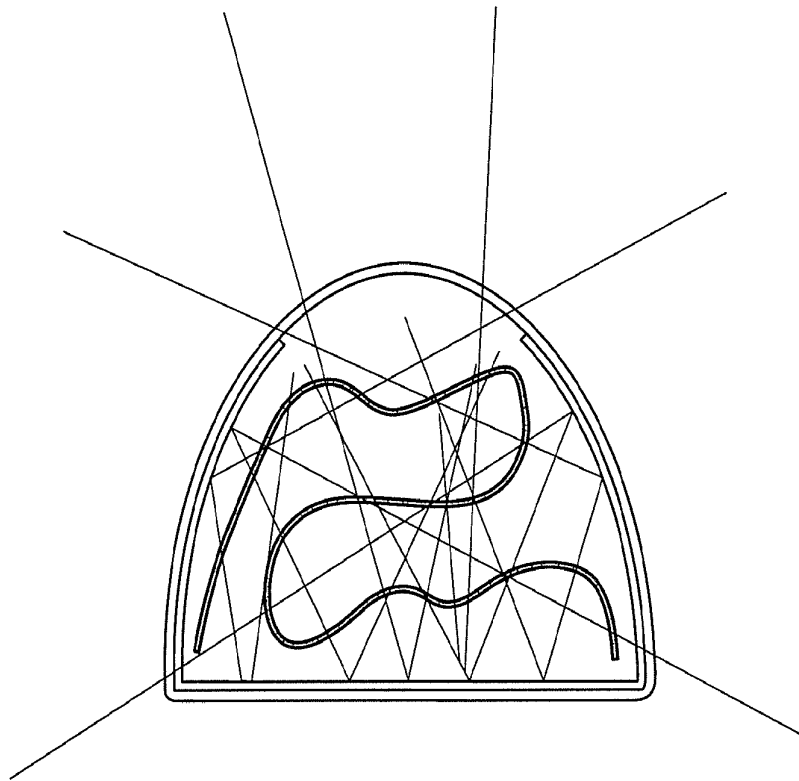


FIG. 11