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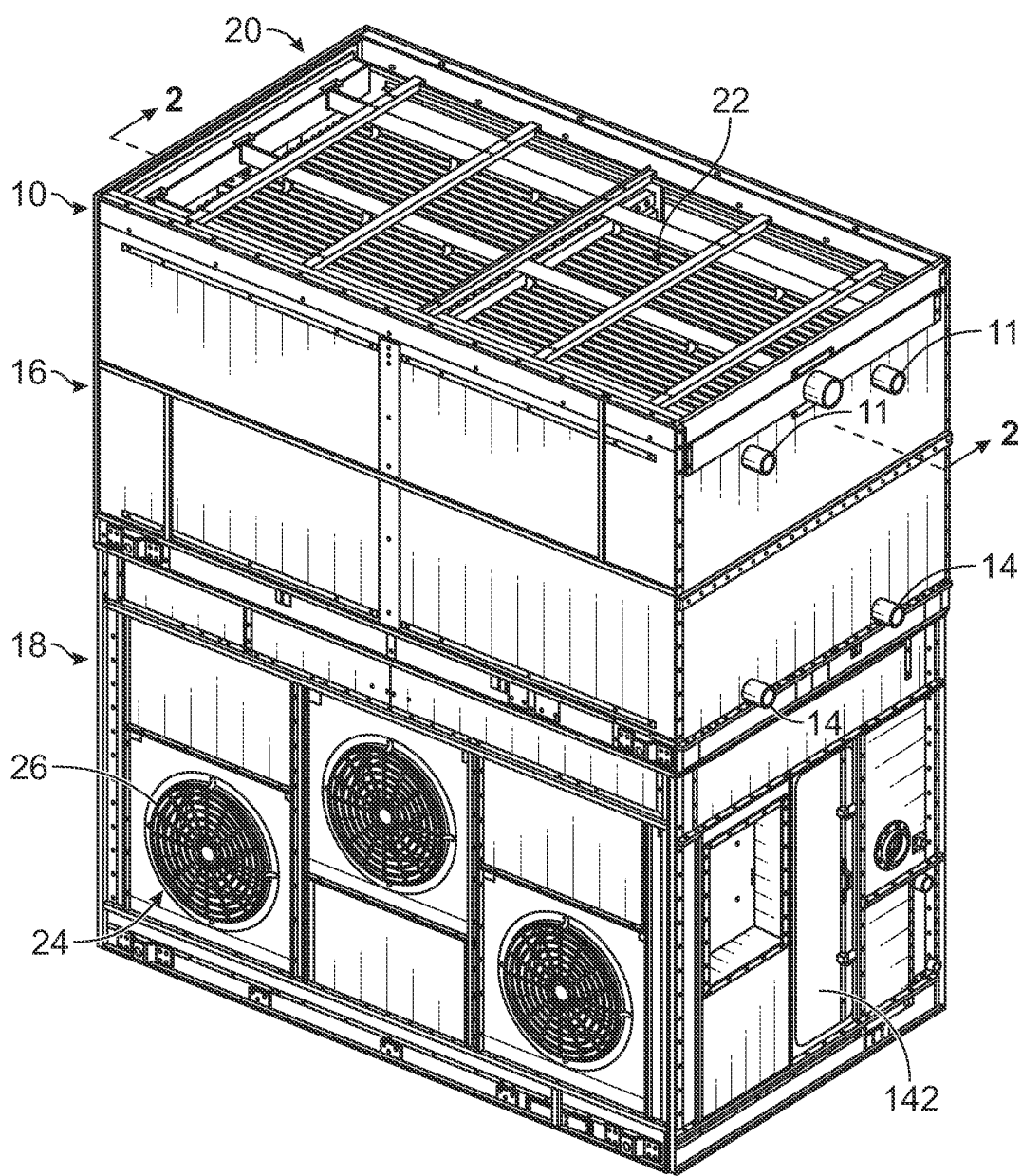


FIG. 1

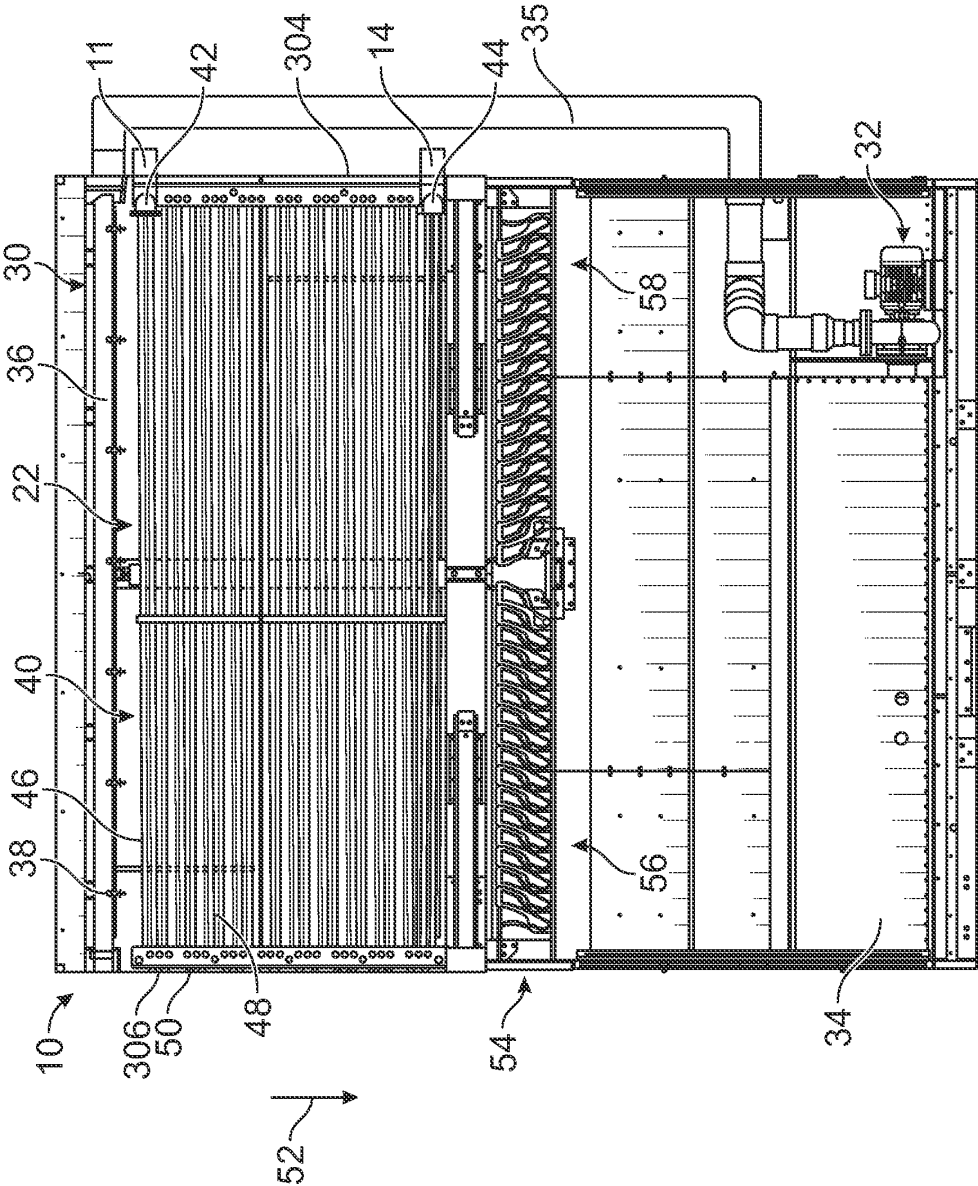


FIG. 2

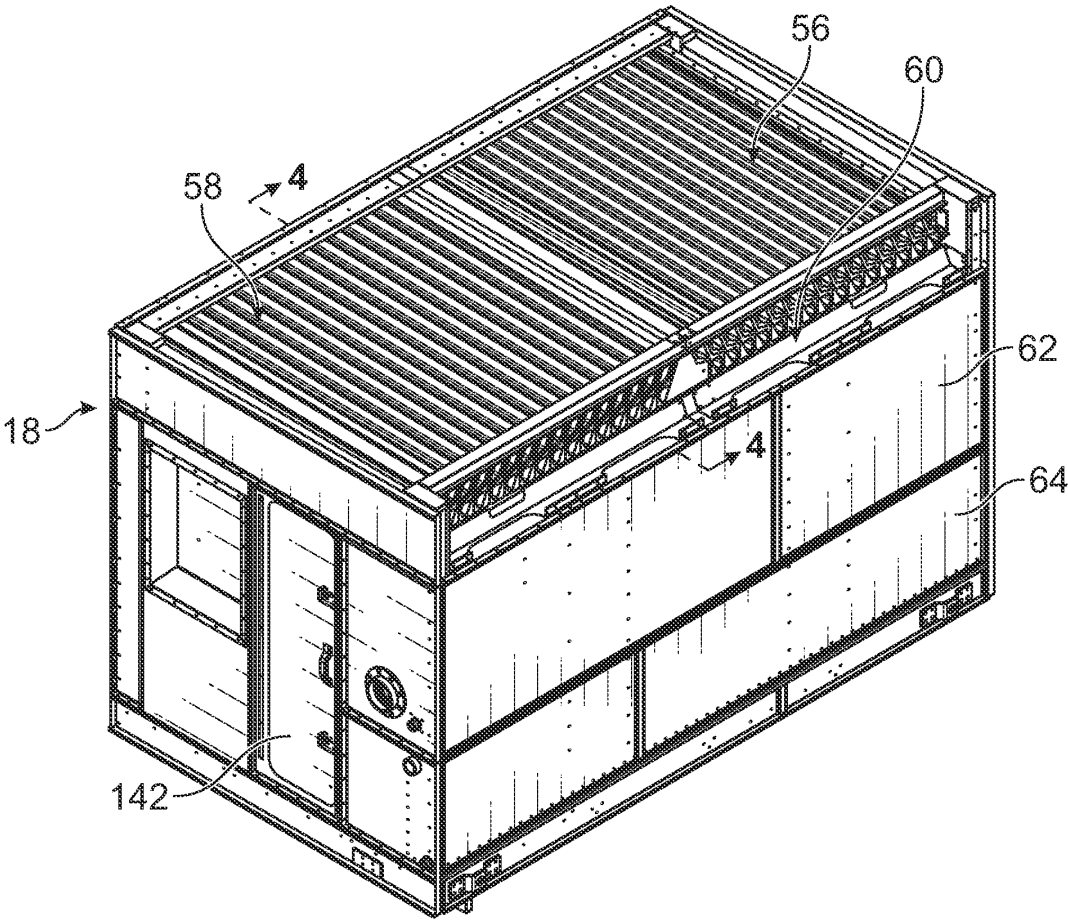


FIG. 3

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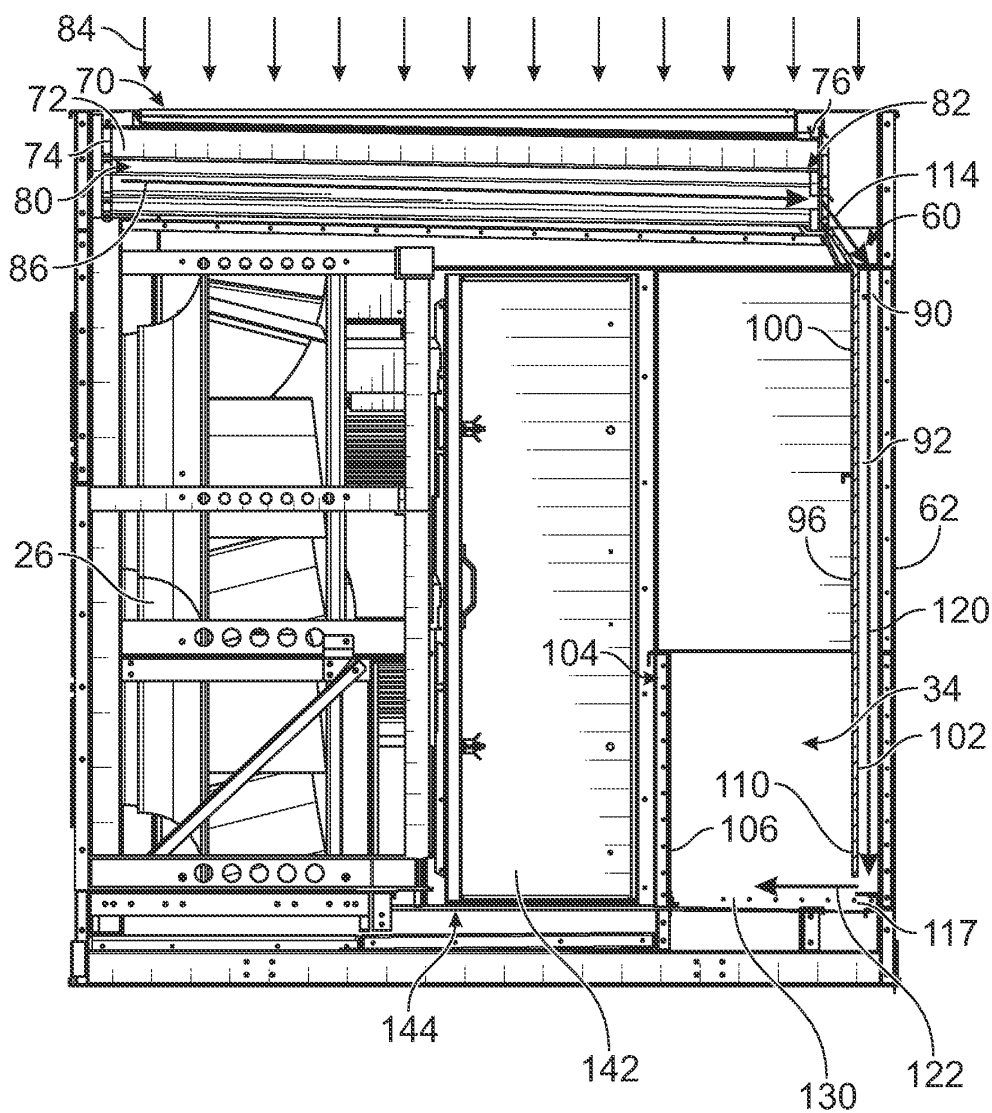


FIG. 4

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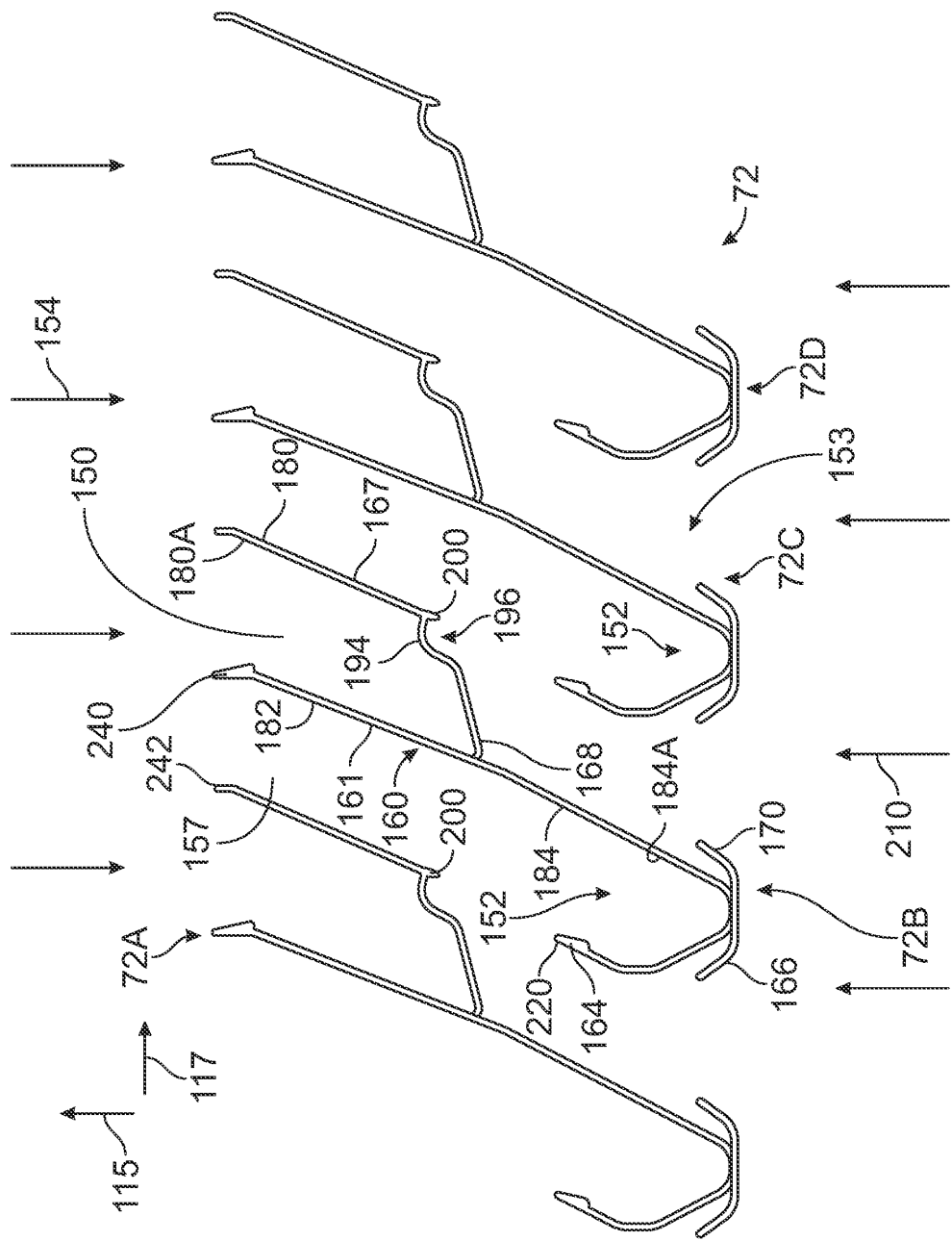


FIG. 5

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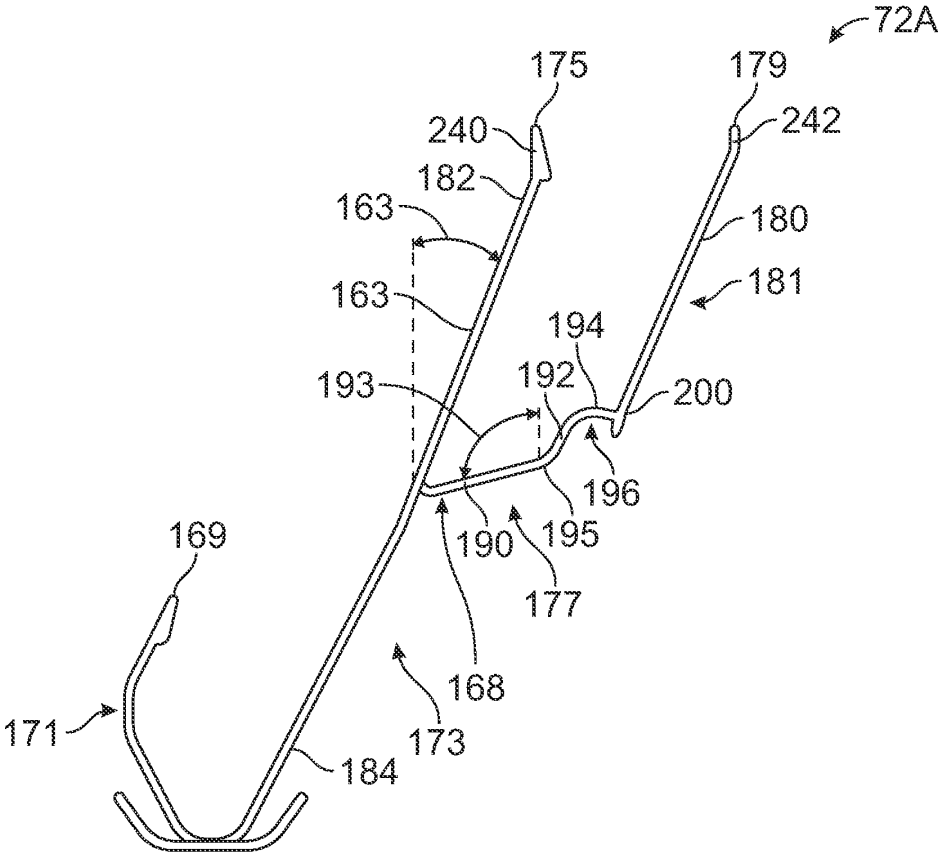


FIG. 6

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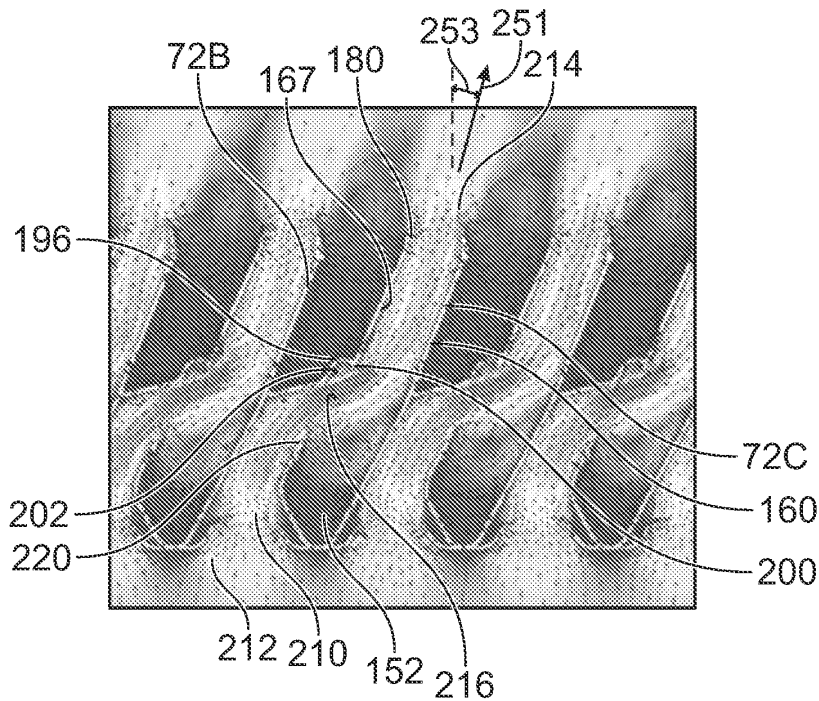


FIG. 7

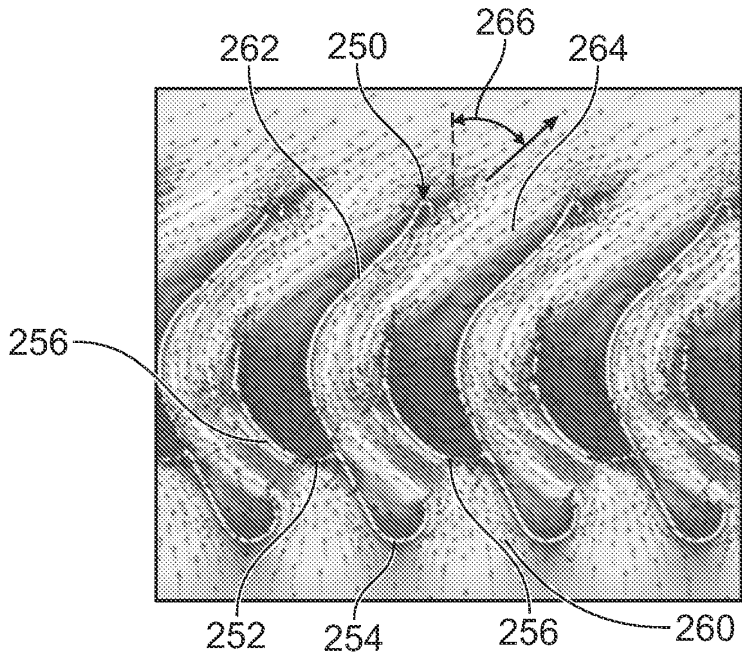


FIG. 8
(Prior Art)

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Trial	Air Exit		dP at 700 fpm		Collector Cross Section Area				Flow Directed to	
	Vector (°)	Pressure (psi)	Of Base (%)		Vol. 1	Vol. 2	Vol. (1+2)		Vol. 1	Vol. 2
					(in ²)	(in ²)	(in ²)		(%)	(%)
Baseline	55.7	0.034	100%		6.5	1.3	7.8		100%	0%
T4-33	7.9	0.028	81%		10.8	6.6	17.3		61%	39%

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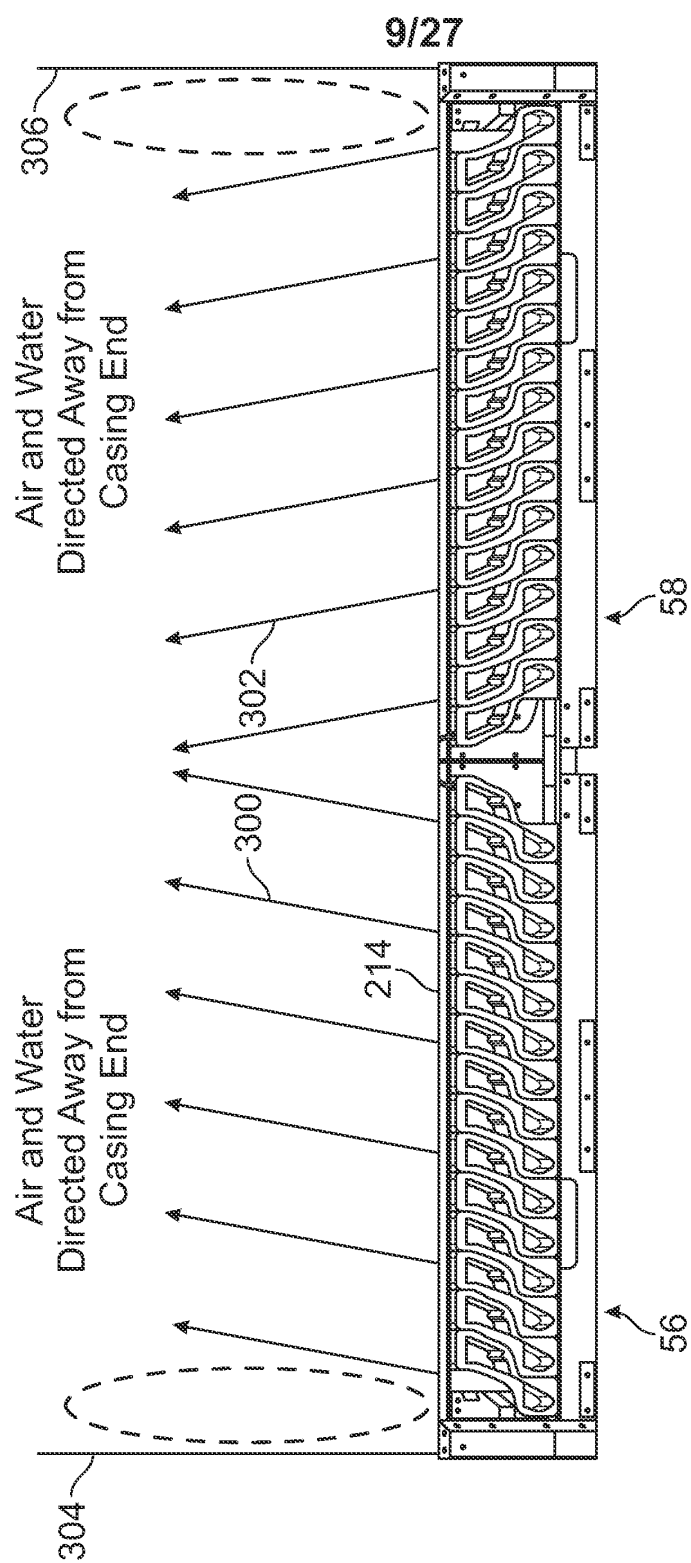
FIG. 9

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Trial	Potential Capacity		Water Impact Angles			Collector	
	Total	Of Base	Primary	Secondary		Height	Spacing
	(in ²)	(%)	(°)	(°)		(in)	(in)
Baseline	6.5	100%	45.0	25.8		10.1	4.35
T4-33	17.2	265%	21.0	27.5		10.0	4.50

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FIG. 10

[illegible]

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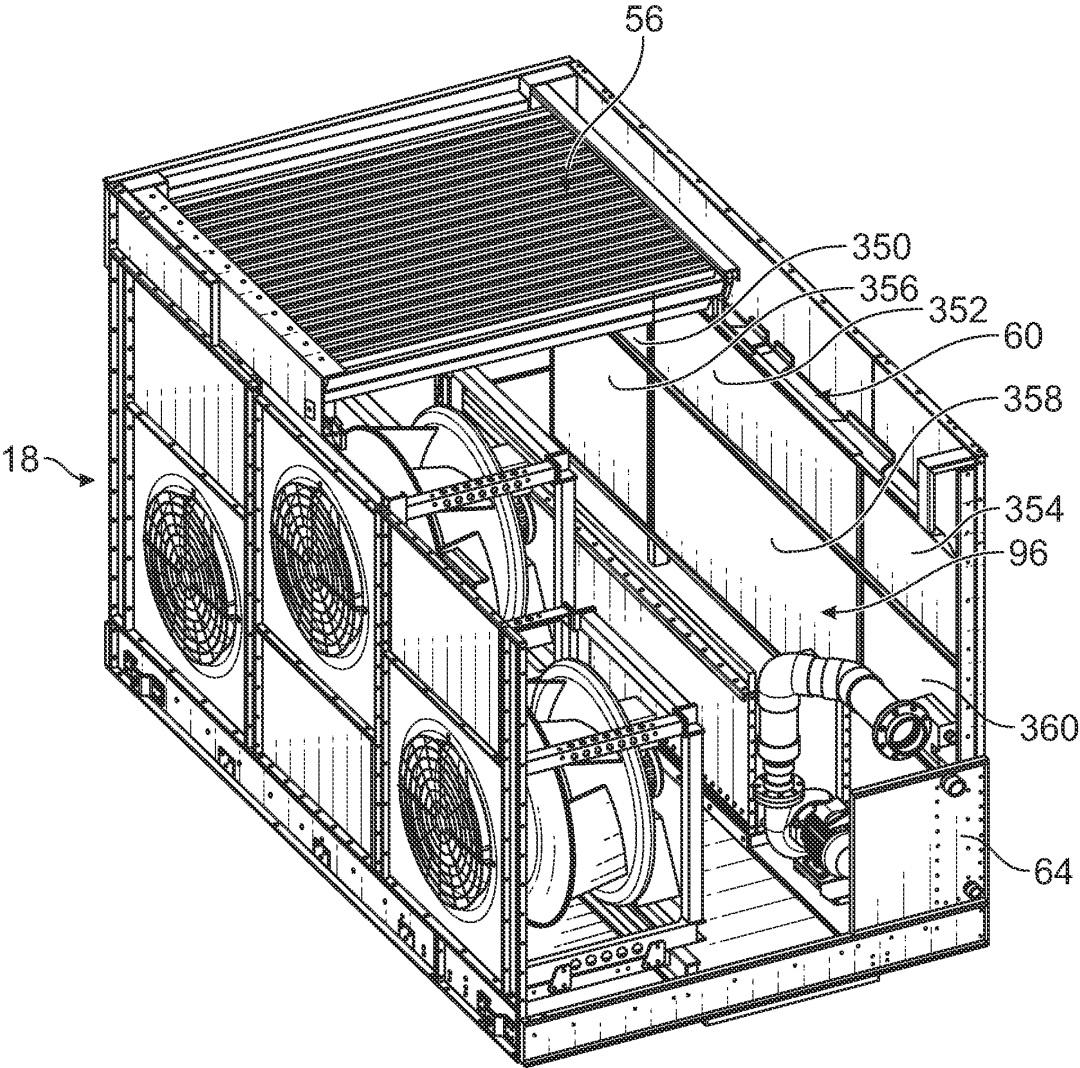


FIG. 12

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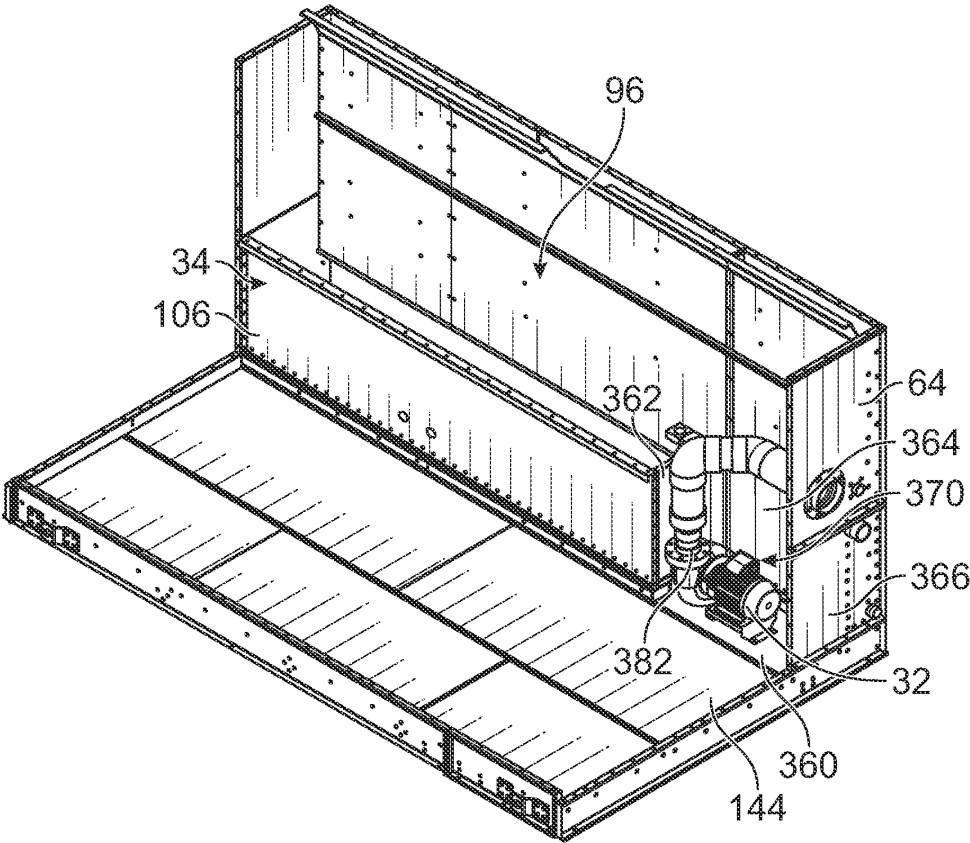


FIG. 13

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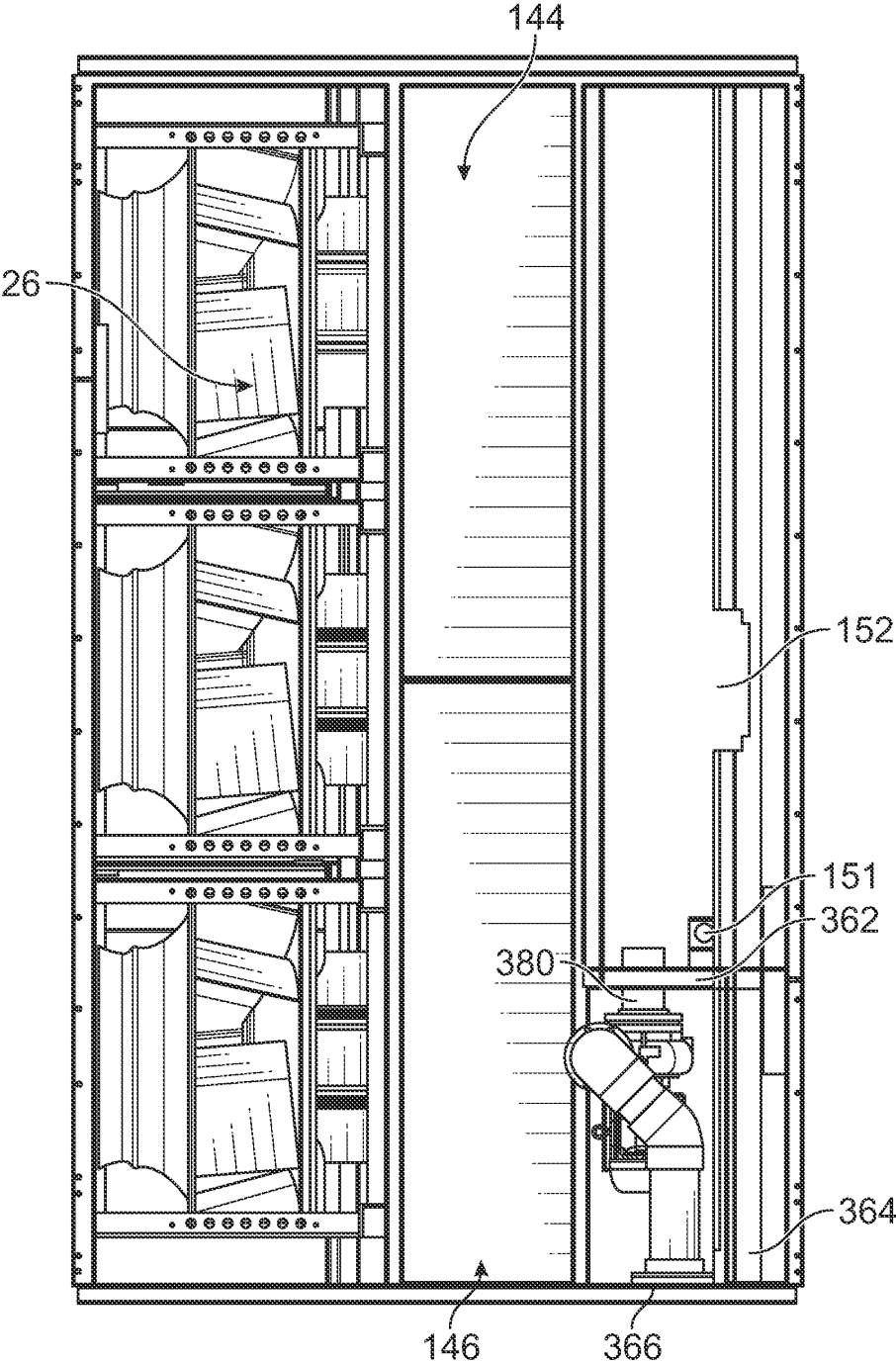
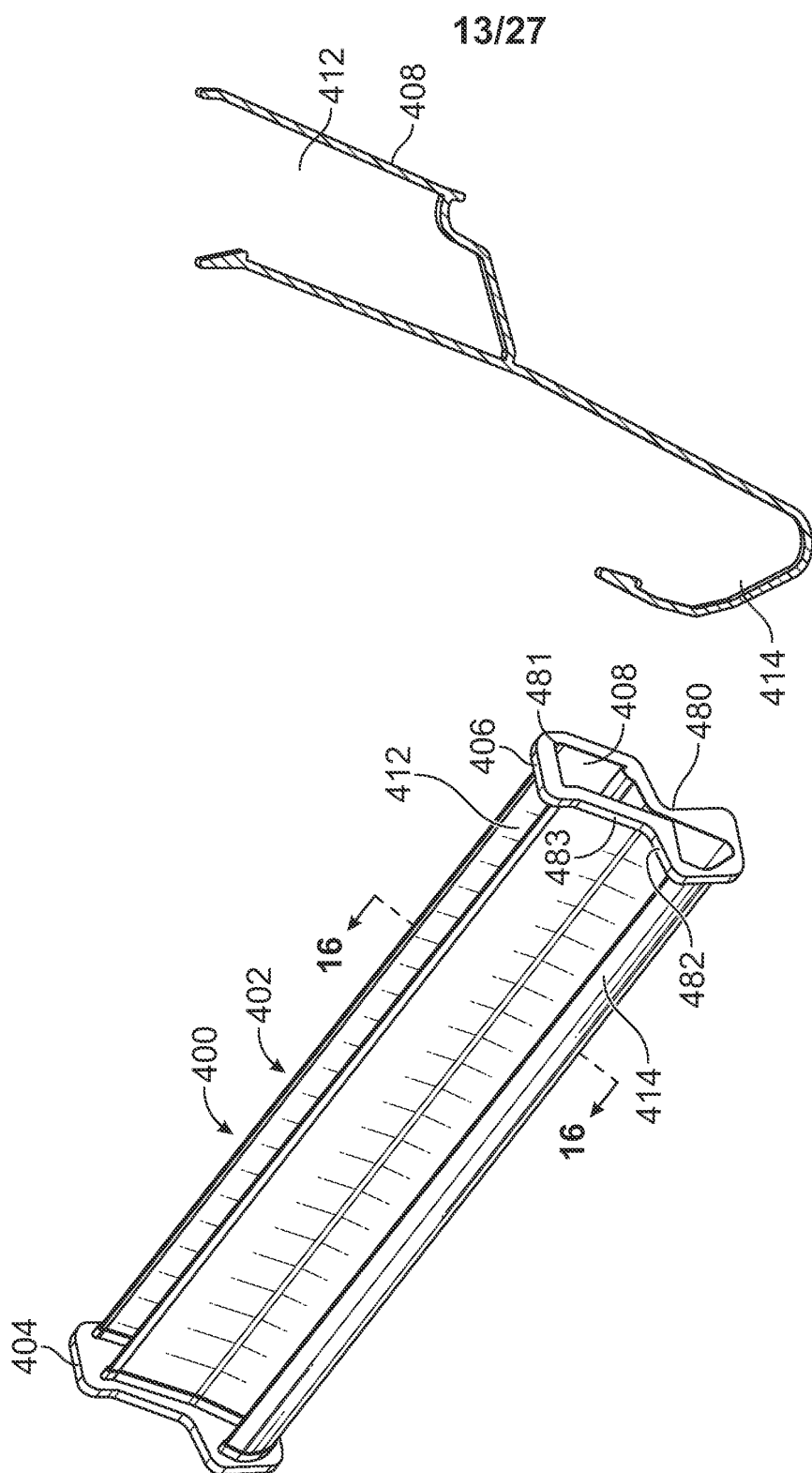


FIG. 14



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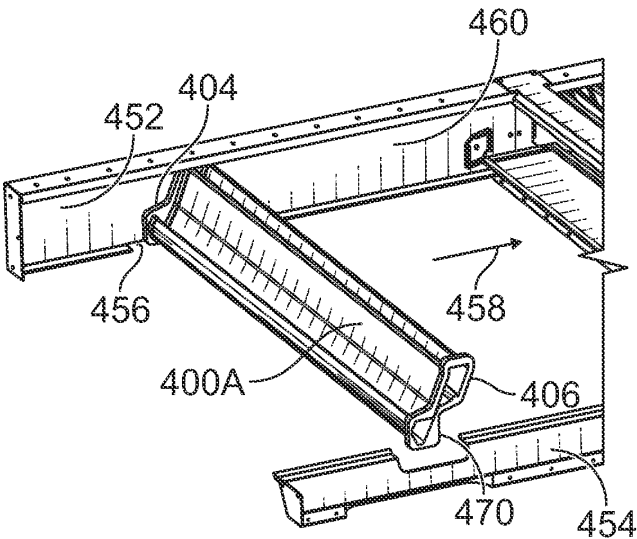


FIG. 17

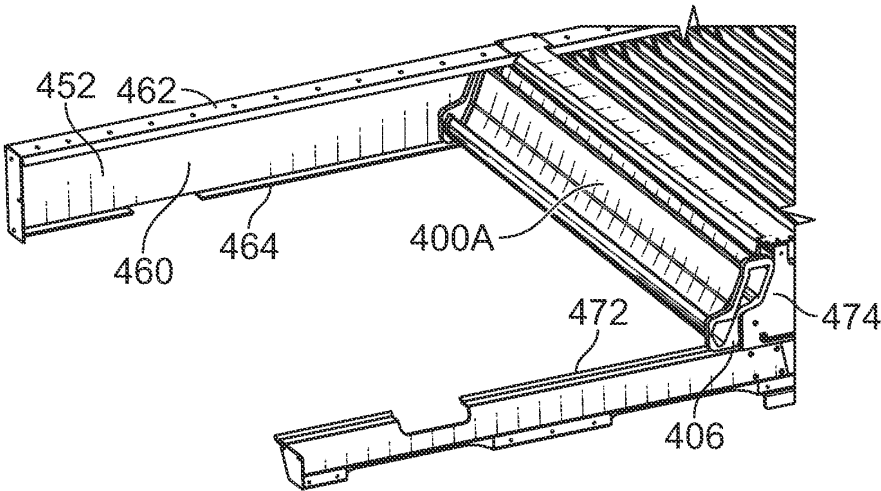


FIG. 18

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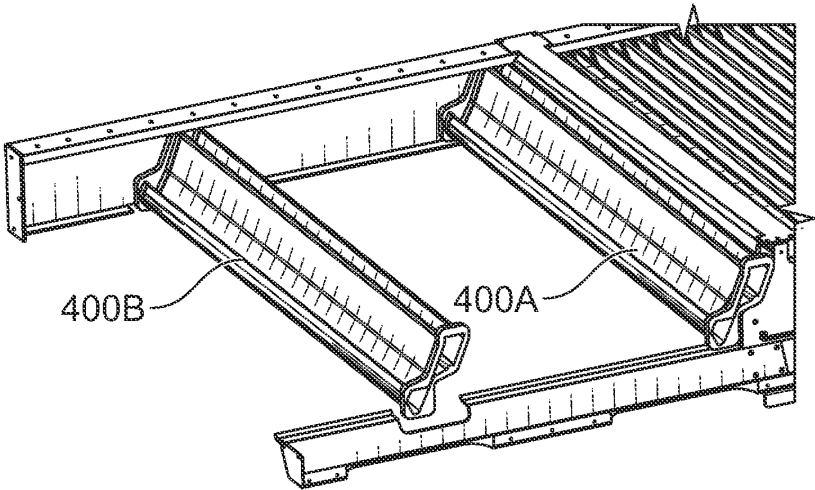


FIG. 19

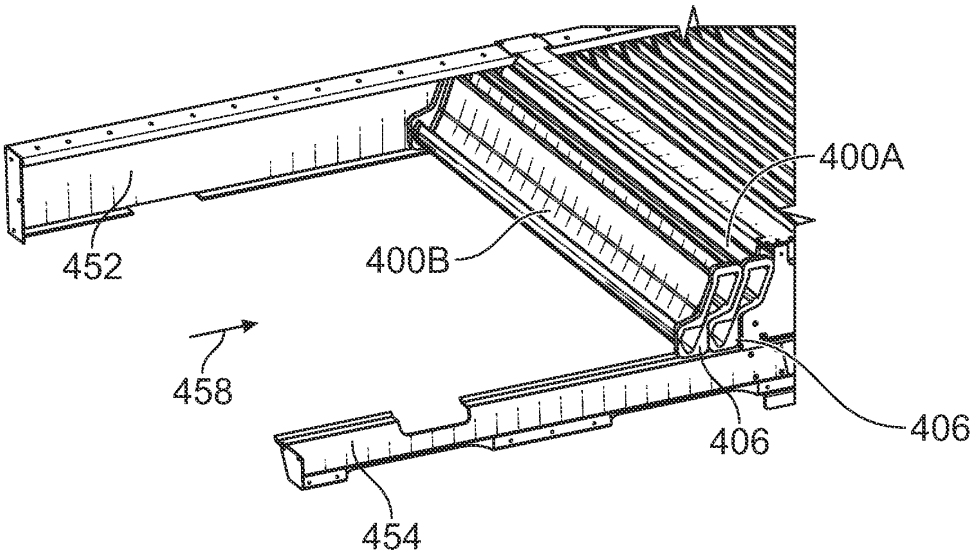


FIG. 20

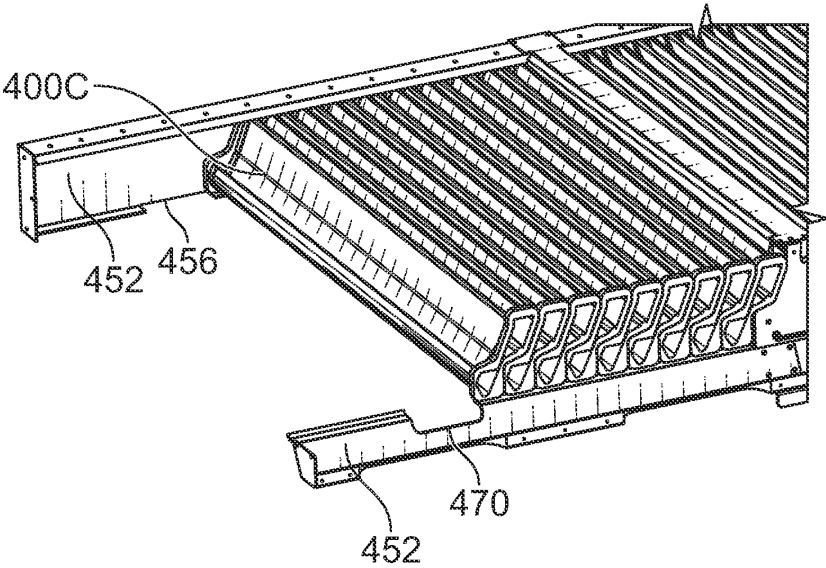


FIG. 21

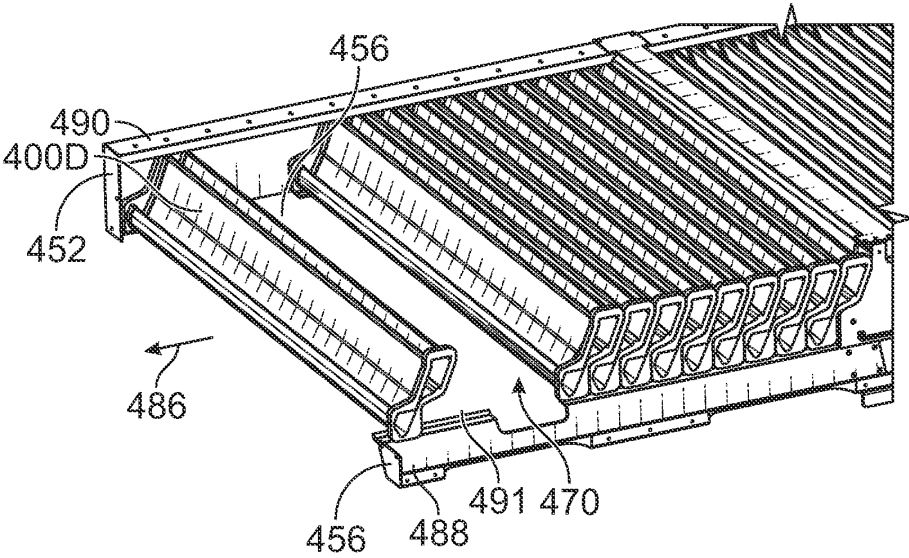


FIG. 22

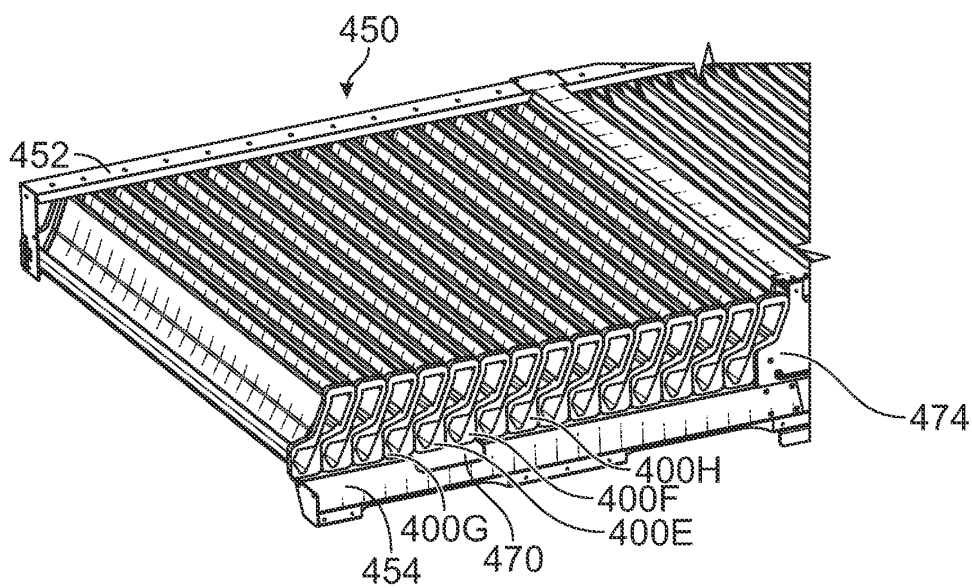


FIG. 23

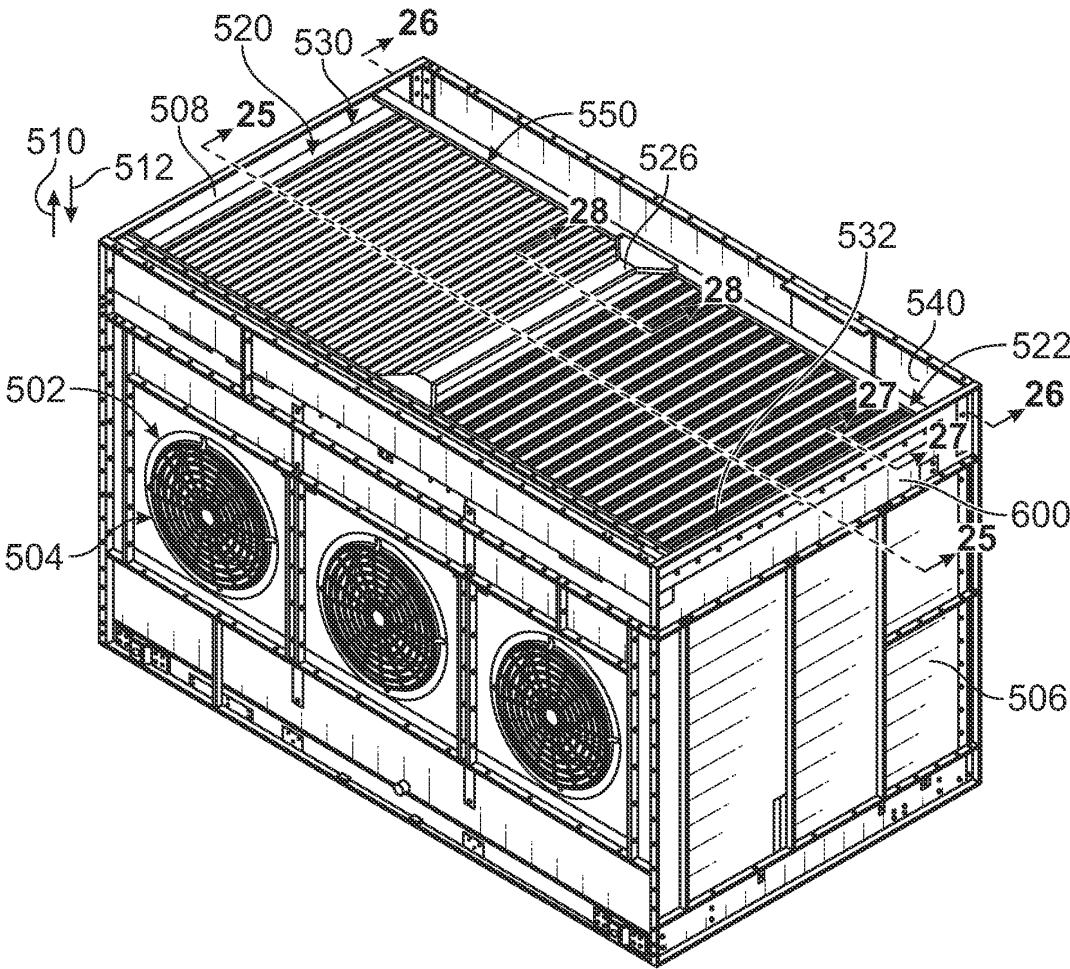


FIG. 24

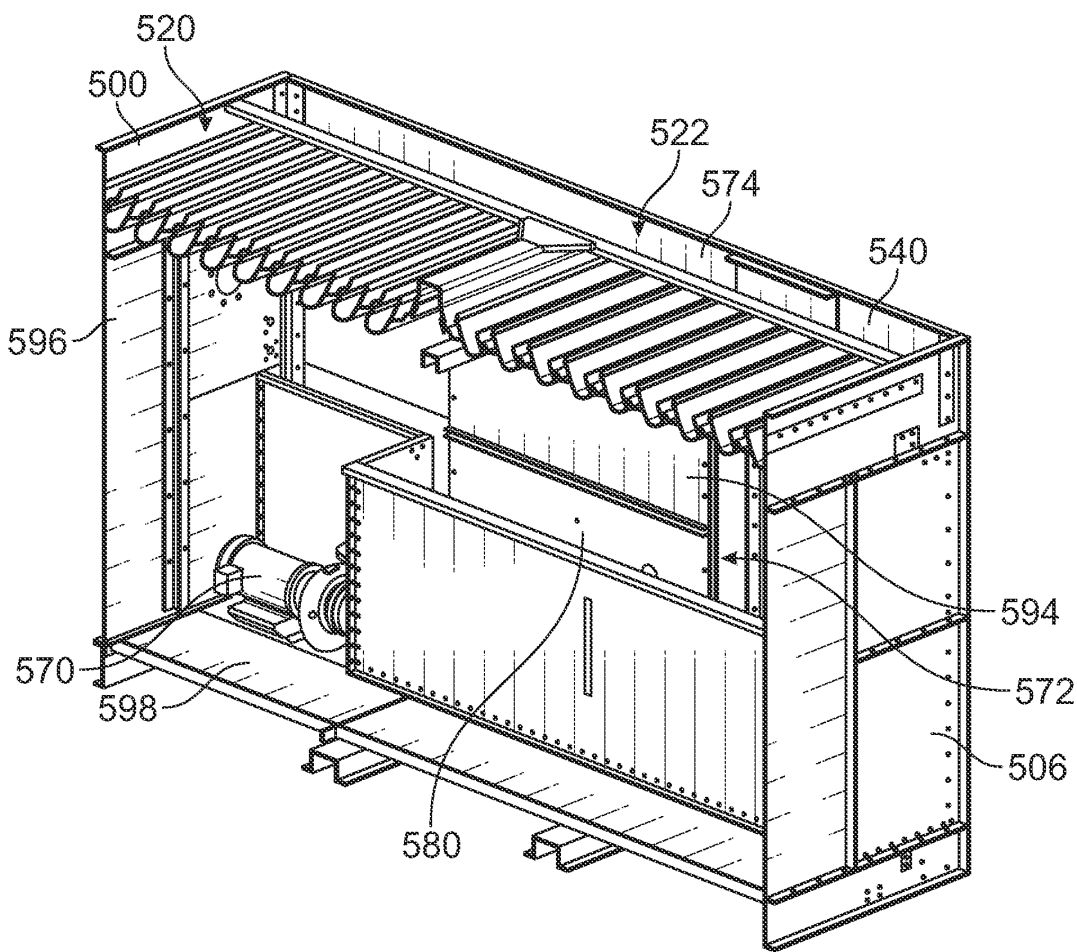


FIG. 25

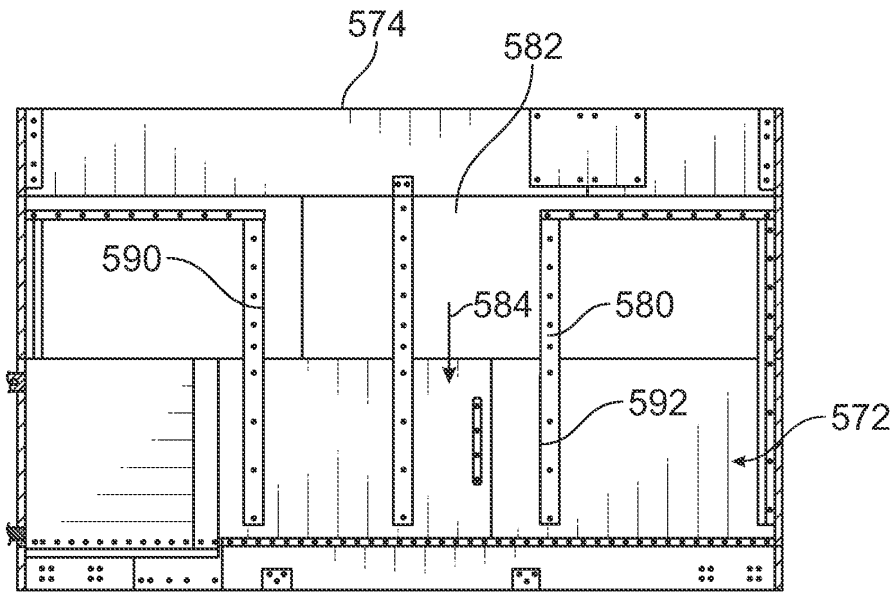


FIG. 26

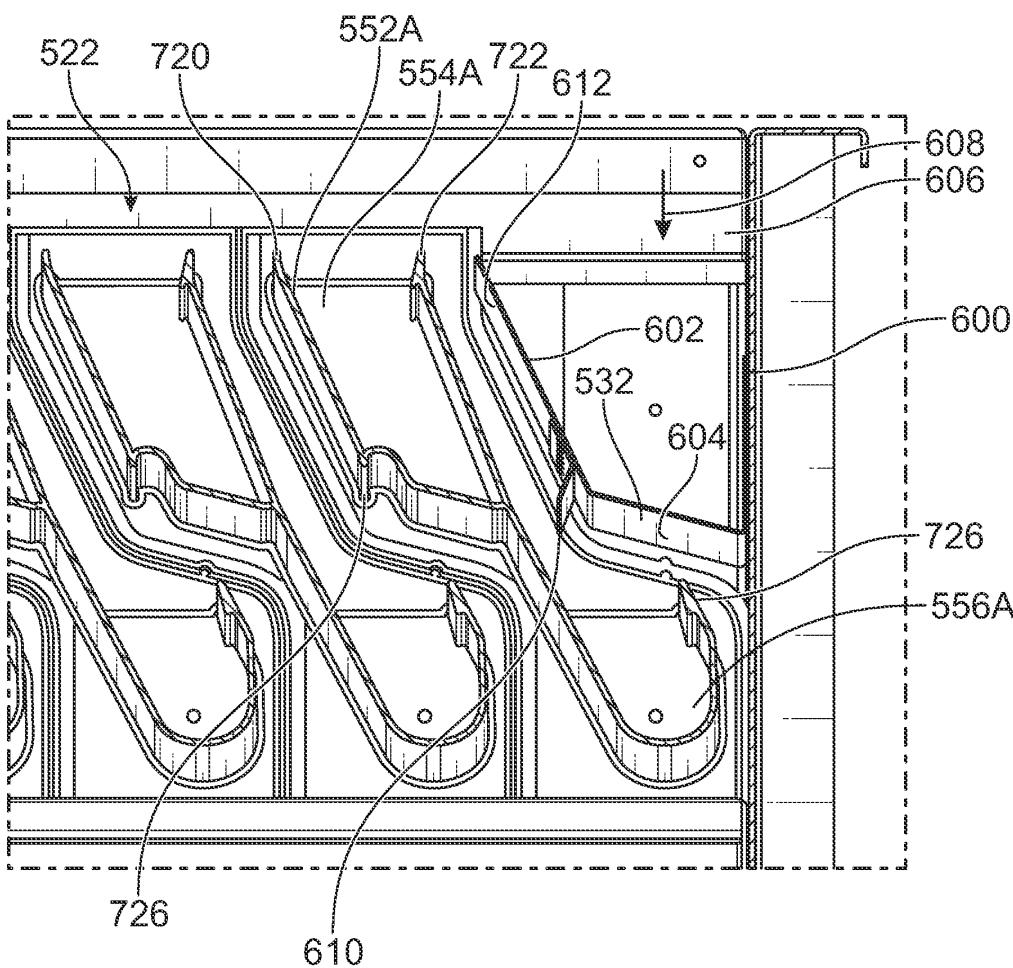


FIG. 27

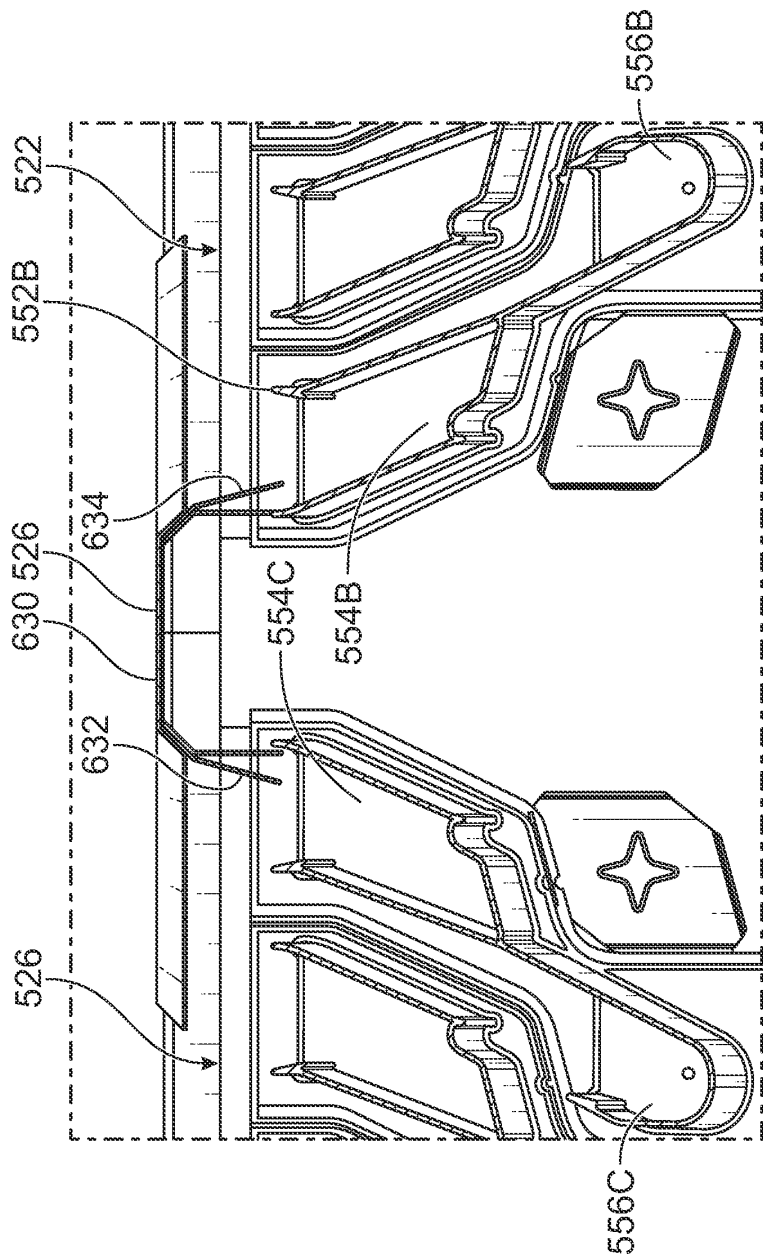
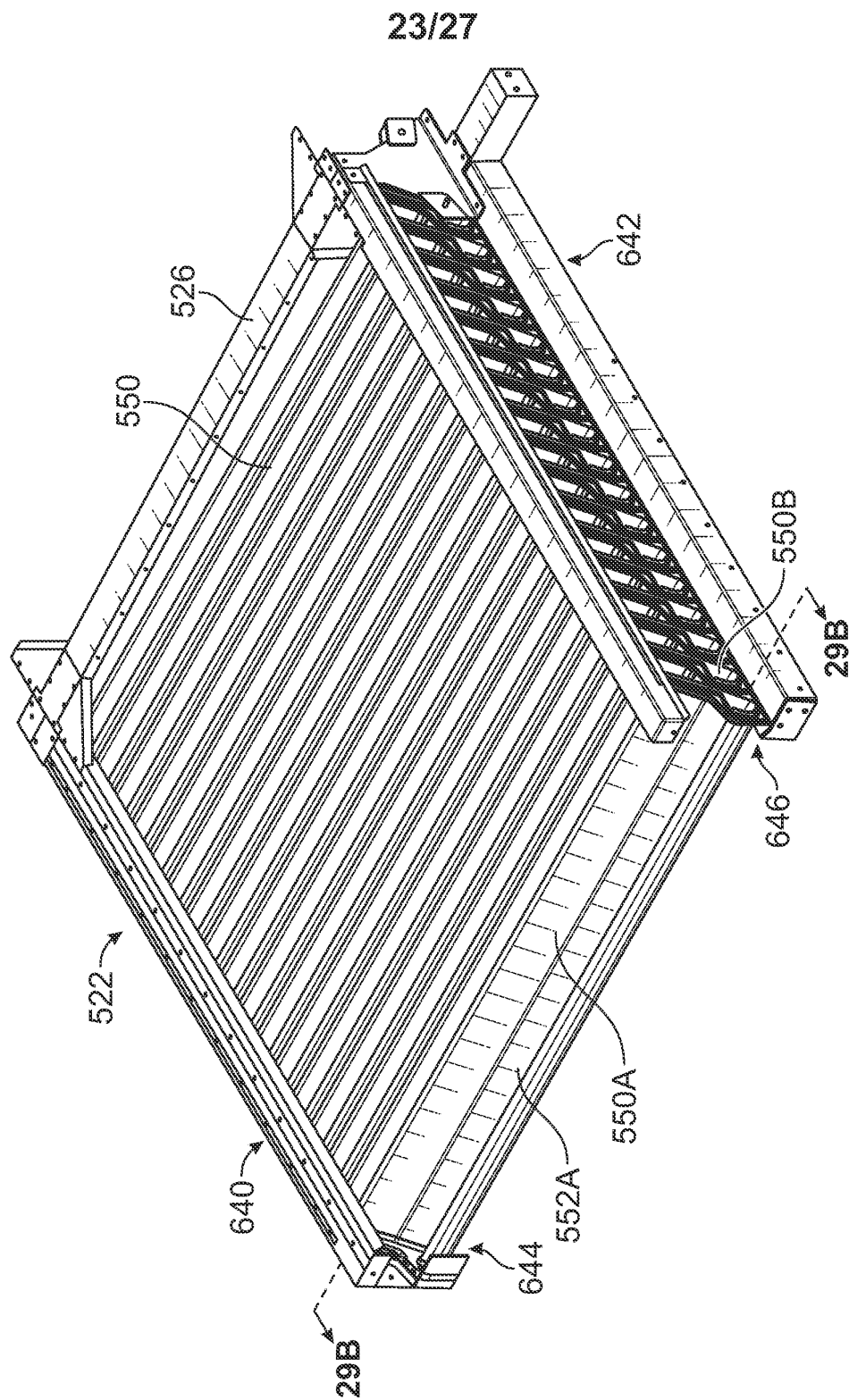


FIG. 28



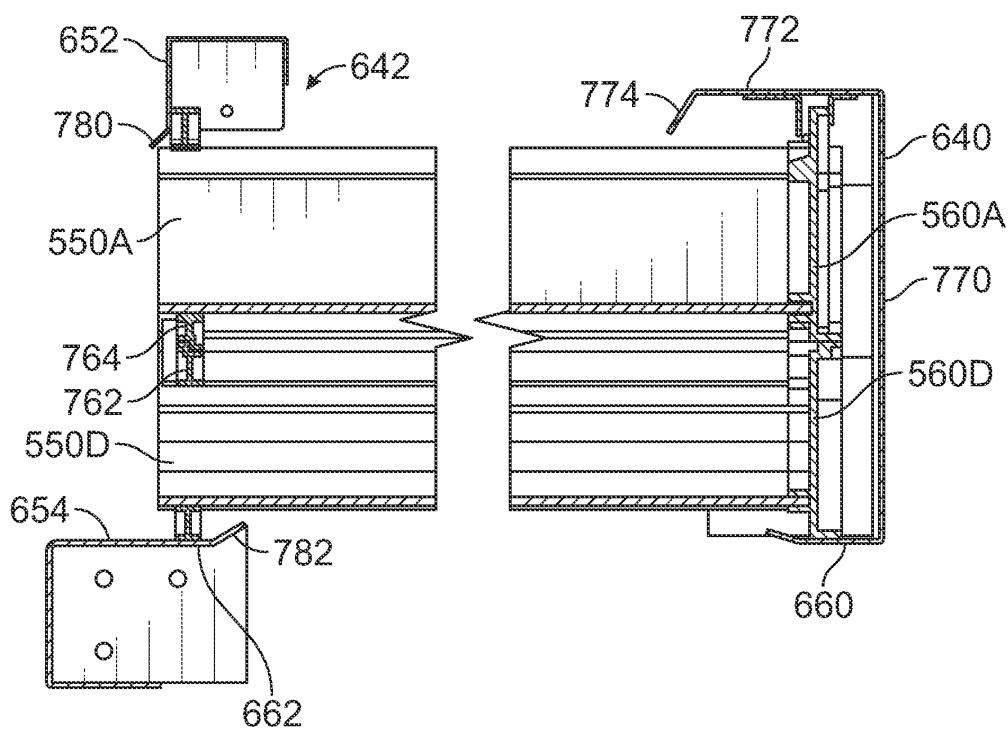


FIG. 29B

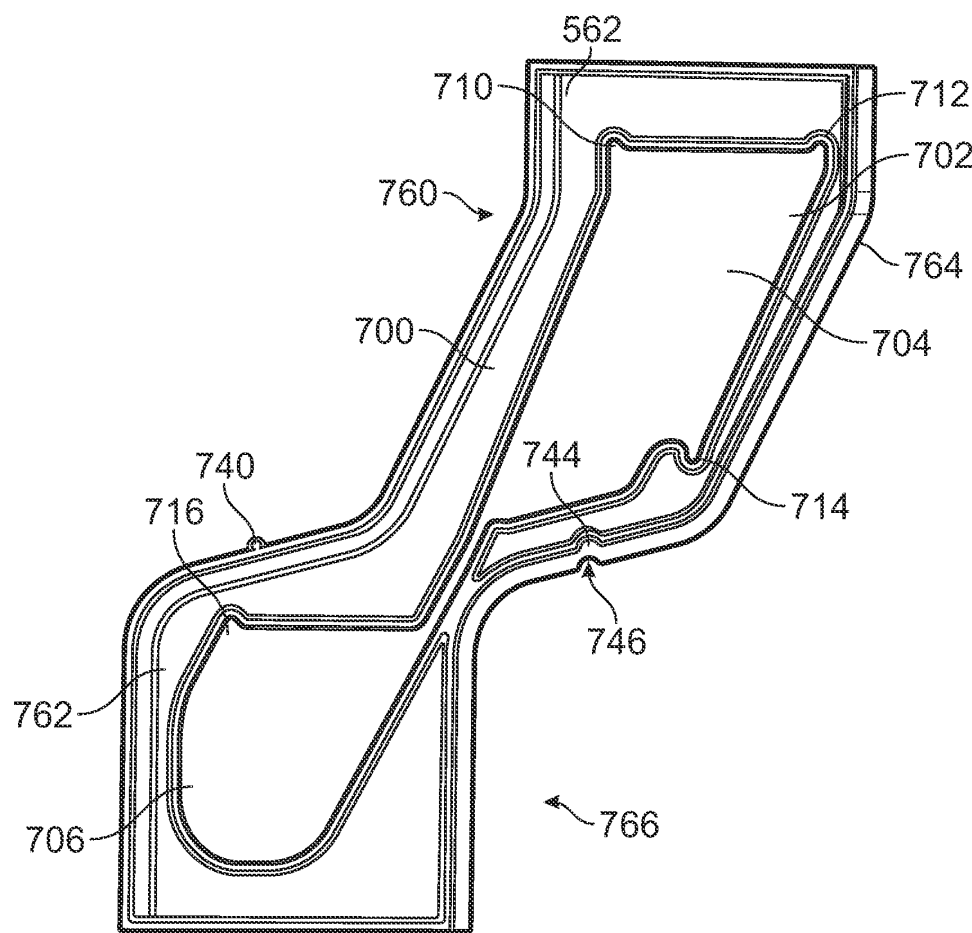


FIG. 32