

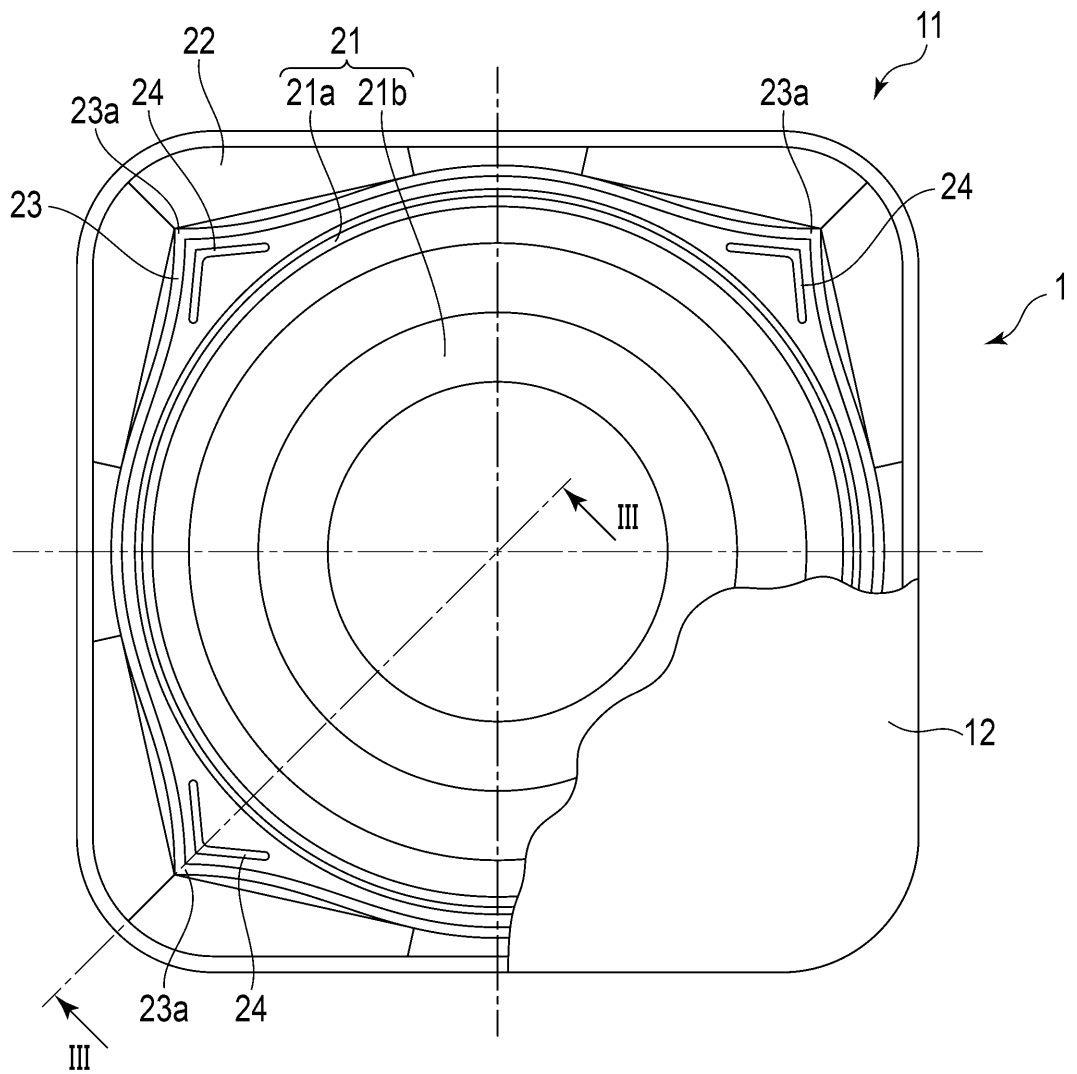


FIG. 1

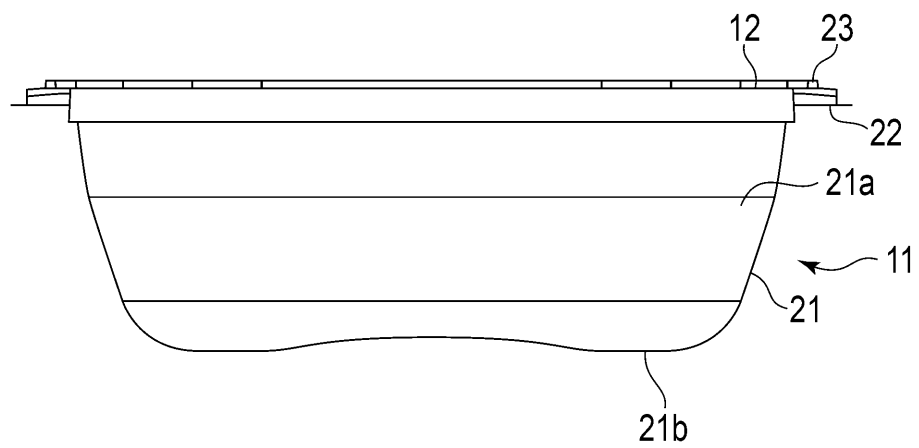


FIG. 2

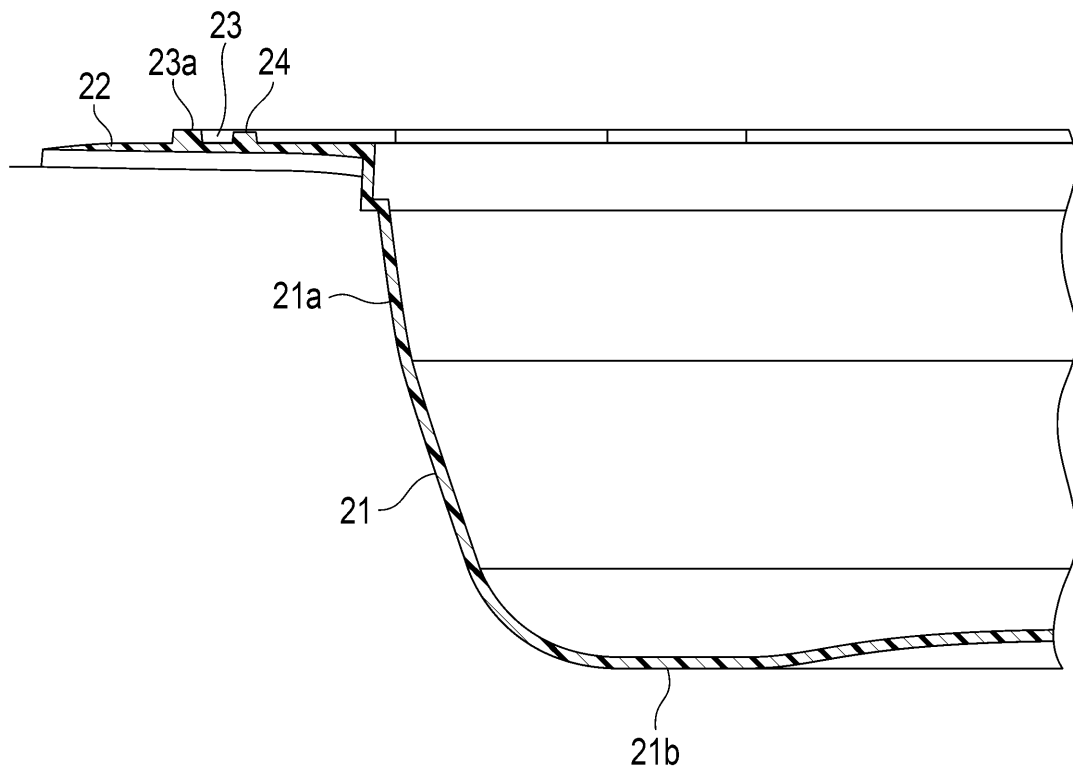


FIG. 3

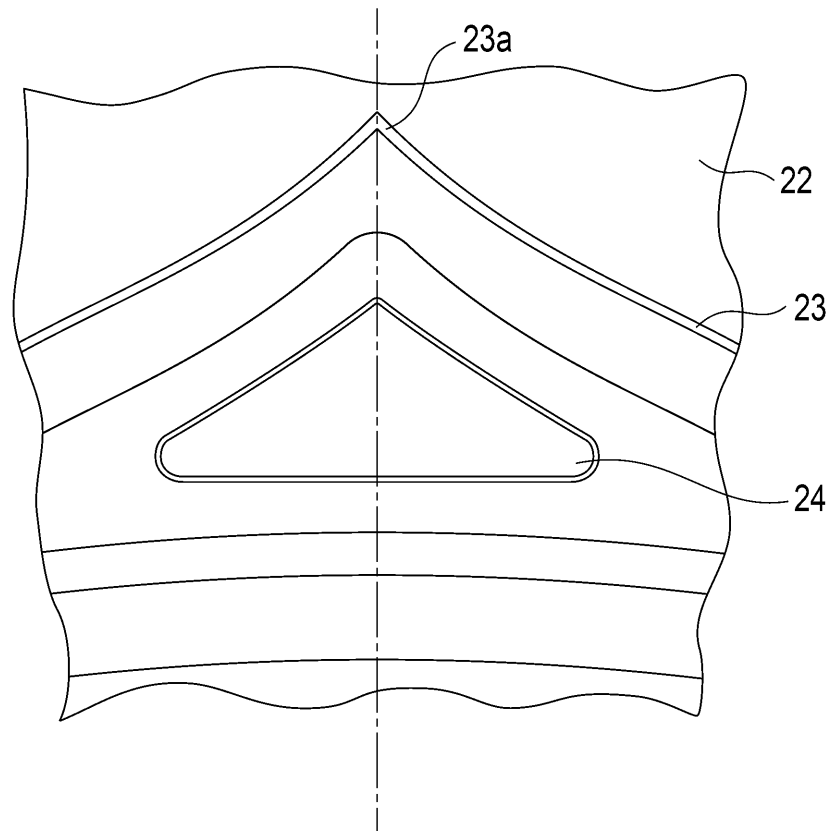


FIG. 4

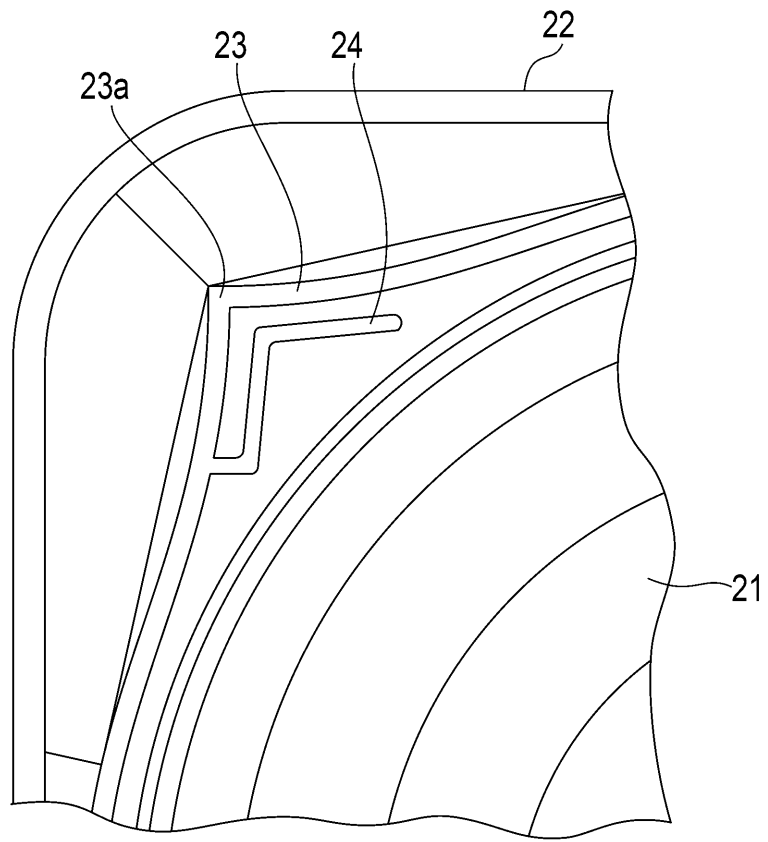


FIG. 5

	Example 1		Example 2		Example 3		Example 4	
	Triangular shape Height 0.8mm		Triangular shape Height 0.6mm		Dogleg shape Height 0.8mm		Dogleg shape Height 0.6mm	
No.	Scattered droplet	Site of adhesion	Scattered droplet	Site of adhesion	Scattered droplet	Site of adhesion	Scattered droplet	Site of adhesion
1	$\phi 1$	Flange	4×5	Finger	$\phi 1 \times 3$ Droplets	Finger	$\phi 2$	Flange
	$\phi 1$	Finger	$\phi 2$	Flange	$\phi 1 \times 1$ Droplet	Flange		
	$\phi 2$	Beyond flange	$\phi 3$	Flange				
2	7×5	Finger	4×2	Flange	None		None	
3	$\phi 1.5$	Flange	None		$\phi 2 \times 2$ Droplets	Flange	$\phi 2$	Finger
	2×3	Flange					$\phi 1$	Flange
	30×2	Finger						
4	$\phi 2$	Flange	$\phi 3$	Flange	15×2	Finger	None	
	5×3	Finger	10×3	Flange				
5	$\phi 2$	Flange	$\phi 6$	Flange	$\phi 2$	Flange	None	
6	None		4×3	Flange	$\phi 1 \times 3$ Droplets	Finger	$\phi 5$	Flange
			$\phi 2$	Finger	$\phi 1 \times 2$ Droplets	Flange	$\phi 3$	Flange
			8×3	Finger			$\phi 2$	Flange
7	8×5	Flange	$\phi 5$	Flange	3×5	Flange	$\phi 4$	Flange
8	$\phi 2 \times 2$ Droplets	Finger	$\phi 5$	Flange	$\phi 2 \times 2$ Droplets	Finger	None	
	$\phi 2$	Flange			3×4	Flange		
9	3×5	Flange	$\phi 2$	Flange	$\phi 5$	Flange	None	
			$\phi 2$	Finger				
			8×3	Finger				
10	None		$\phi 4$		None		10×5	Flange
Flange/Finger	13 Droplets	93%	16 Droplets	100%	18 Droplets	100%	8 Droplets	100%
Beyond flange	1 Droplet	7%	0 Droplet	0%	0 Droplet	0%	0 Droplet	0%
$\phi 2$ or smaller	8 Droplets	56%	4 Droplets	25%	14 Droplets	78%	4 Droplets	50%
Exceeding $\phi 2$	6 Droplets	44%	12 Droplets	75%	4 Droplets	22%	4 Droplets	50%
Rating	Δ		Δ		O		O	

FIG. 6

No.	Example 5		Example 6		Example 7		Comparative example 1	
	Dogleg shape (Partially continuous) Height 0.8mm		Dogleg shape (Partially continuous) Height 0.6mm		Dogleg shape (Partially continuous) Height 0.86mm		No anti-splash protrusion	
No.	Scattered droplet	Site of adhesion	Scattered droplet	Site of adhesion	Scattered droplet	Site of adhesion	Scattered droplet	Site of adhesion
1	None		None		None		15 × 20	Flange
2	None		φ 1	Flange	φ 1	Flange	None	
3	None		None		1 × 0.5	Flange	φ 1	Finger
4	φ 1	Finger	None		None		10 × 20	Beyond flange
							15 × 20	Finger
5	None		None		None		None	
6	None		1.5 × 1	Flange	None		φ 2	Beyond flange
							φ 5	Beyond flange
							8 × 2	Finger
7	None		None		None		10 × 2	Finger
8	None		None		None		30 × 25	Finger
							15 × 10	Beyond flange
9	φ 1	Flange	None		None		φ 5	Finger
							φ 8	Flange
10	None		None		None		8 × 5	Finger
							φ 5	Flange
Flange/Finger	2 Droplets	100%	2 Droplets	100%	2 Droplets	100%	10 Droplets	71%
Beyond flange	0 Droplet	0%	0 Droplet	0%	0 Droplet	0%	4 Droplets	29%
φ 2 or smaller	2 Droplets	100%	2 Droplets	100%	2 Droplets	100%	2 Droplets	14%
Exceeding φ 2	0 Droplet	0%	0 Droplet	0%	0 Droplet	0%	12 Droplets	86%
Rating	◎		◎		◎		×	

FIG. 7