



US0D1089859S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,089,859 S**
Lu (45) **Date of Patent:** **** Aug. 19, 2025**

(54) **SHOOTING EARMUFF**

(71) Applicant: **Shenzhen Equnchuang Technology Co., LTD**, Shenzhen (CN)

(72) Inventor: **Biao Lu**, Shenzhen (CN)

(73) Assignee: **Shenzhen Equnchuang Technology Co., LTD**, Shenzhen (CN)

(**) Term: **15 Years**

(21) Appl. No.: **29/927,203**

(22) Filed: **Feb. 2, 2024**

(51) **LOC (15) Cl.** **29-02**

(52) **U.S. Cl.**
USPC **D29/112**

(58) **Field of Classification Search**
USPC D29/100, 112, 122; D14/205, 249
CPC A42B 3/16; A42B 3/163
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D413,413	S *	8/1999	Dillon	.....	D29/112
D434,191	S *	11/2000	Emilsson	.....	D29/112
6,449,806	B1 *	9/2002	Engelhard	.....	H04R 5/0335
					381/376
D736,475	S *	8/2015	Fletcher	.....	D29/112
D830,331	S *	10/2018	Petersen	.....	D14/205
D848,679	S *	5/2019	Wilson	.....	D29/112
D863,690	S *	10/2019	Chen	.....	D29/112
D901,435	S *	11/2020	Petersen	.....	D14/205
D920,585	S *	5/2021	Xu	.....	D29/112
D921,992	S *	6/2021	Hemeyer	.....	D29/112
D932,709	S *	10/2021	Xu	.....	D29/112
2013/0340769	A1 *	12/2013	Roos	.....	A61F 11/14
					128/866

OTHER PUBLICATIONS

Posted Oct. 27, 2018 [online], Retrieved May 12, 2025, Retrieved from internet, <https://www.amazon.com/dp/B07JQDFF1G/> (Year: 2018).*

Posted Sep. 26, 2018 [online], Retrieved May 12, 2025, Retrieved from internet, <https://www.amazon.com/AXIL-TRACKR-Electronic-Protection-Enhancement/dp/B07HPFQGS9/?th=1> (Year: 2018).*

(Continued)

Primary Examiner — Shannon W Morgan

Assistant Examiner — Alonzo Sanchez Giddens

(57) **CLAIM**

The ornamental design for a shooting earmuff, as shown and described.

DESCRIPTION

FIG. 1 is a top perspective view of a shooting earmuff, showing my new design;

FIG. 2 is a bottom perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a left side view thereof;

FIG. 6 is a right side view thereof;

FIG. 7 is a top view thereof;

FIG. 8 is a bottom view thereof;

FIG. 9 is its folded state diagram;

FIG. 10 is an enlarged detail view of area 10 in FIG. 1;

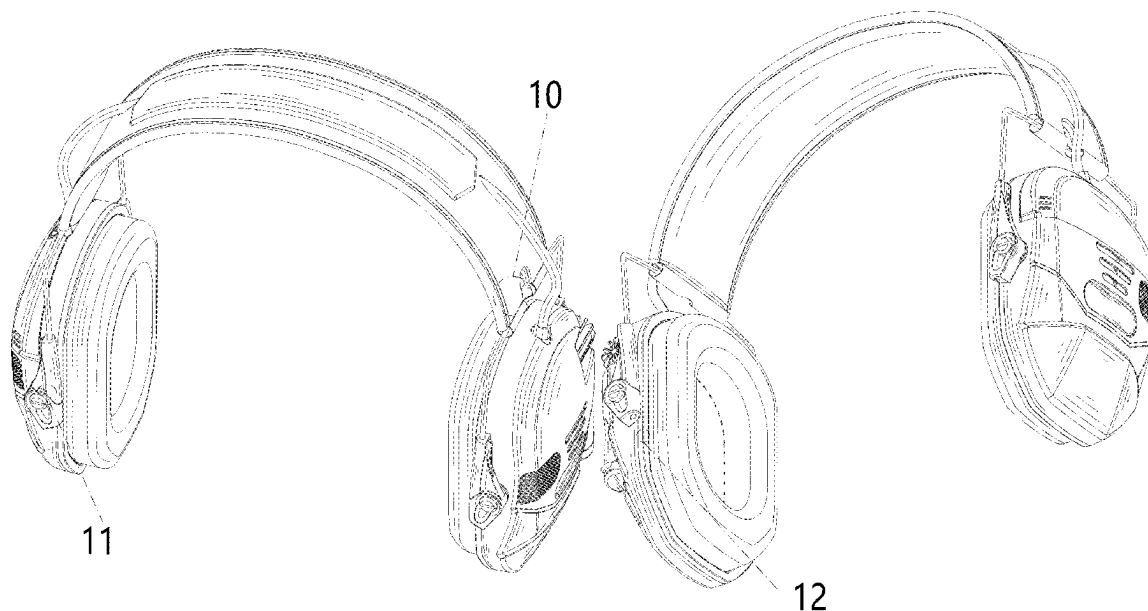
FIG. 11 is an enlarged detail view of area 11 in FIG. 1;

FIG. 12 is an enlarged detail view of area 12 in FIG. 2; and,

FIG. 13 is an enlarged detail view of area 13 in FIG. 5.

The broken lines in the drawings illustrate the portions of the shooting earmuff, which form no part of the claimed design. The dash-dot-dash broken lines encircling the enlarged views are for annotative purposes only and form no part of the claim thereof.

1 Claim, 13 Drawing Sheets



(56)

References Cited

OTHER PUBLICATIONS

Posted Oct. 8, 2019 [online], Retrieved May 12, 2025, Retrieved from internet, <https://www.amazon.com/PROHEAR-Electronic-Shooting-Protection-Amplification/dp/B07YTH8B8C/?th=1> (Year: 2025).*

Posted Jan. 7, 2016 [online], Retrieved May 12, 2025, Retrieved from internet, https://www.amazon.com/Walkers-Razor-Slim-Electronic-Black/dp/B01AAH8CMA?ref_=ast_sto_dp&th=1&psc=1 (Year: 2016).*

* cited by examiner

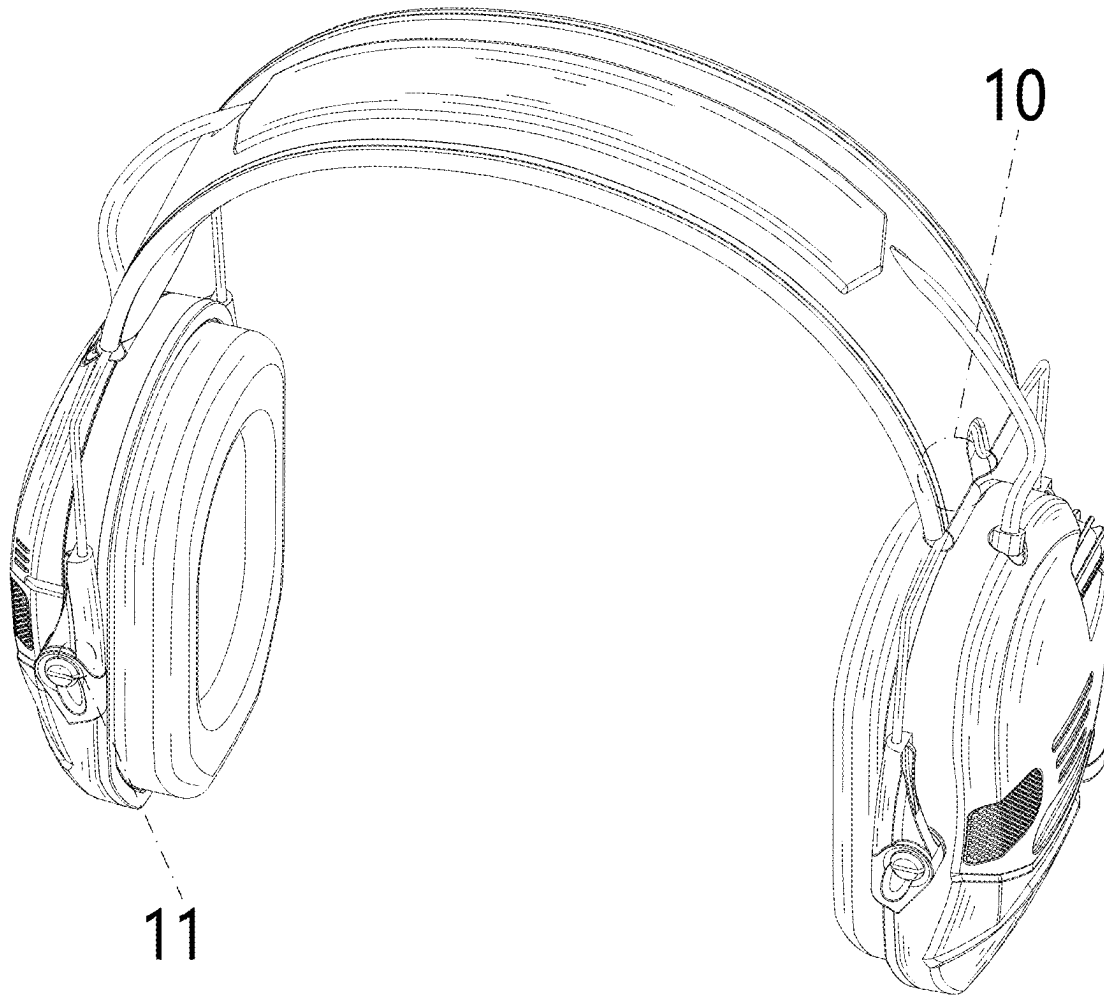


FIG. 1



FIG. 2



FIG. 3



FIG. 4

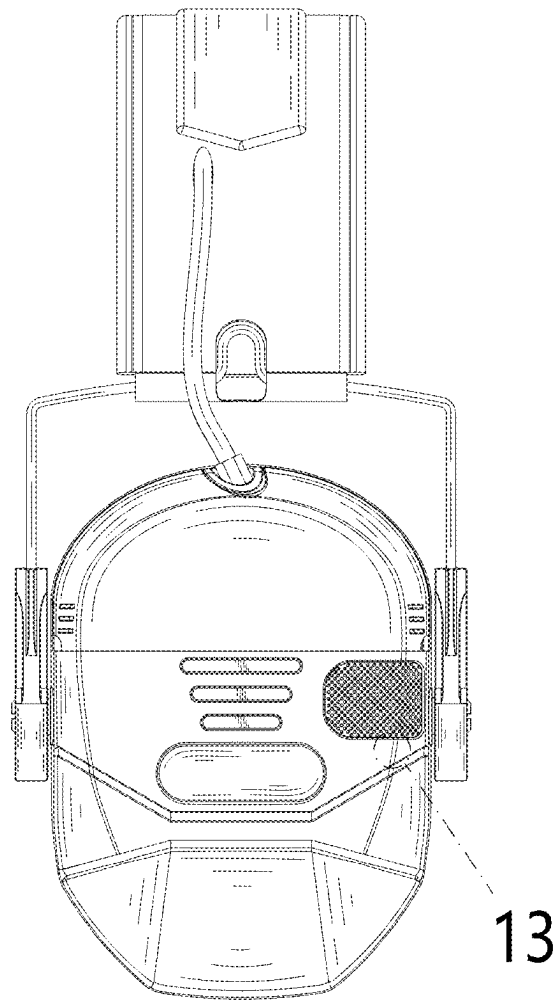


FIG. 5

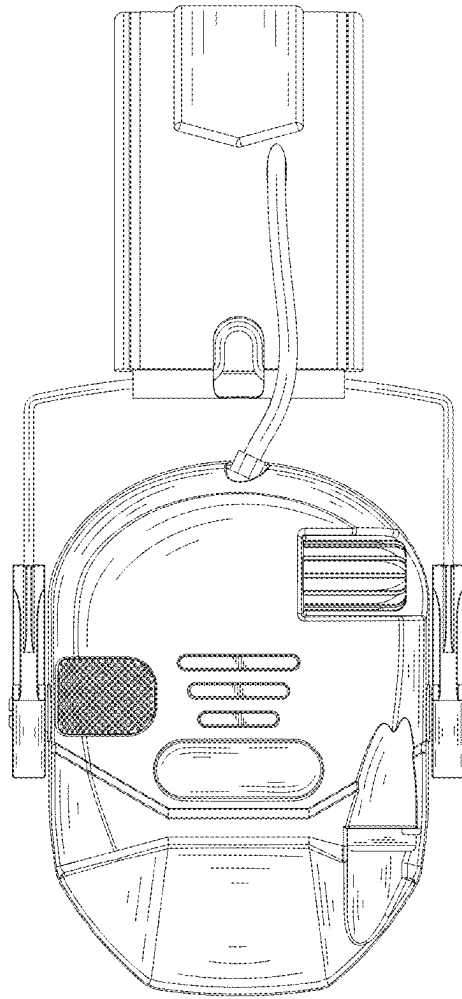


FIG. 6

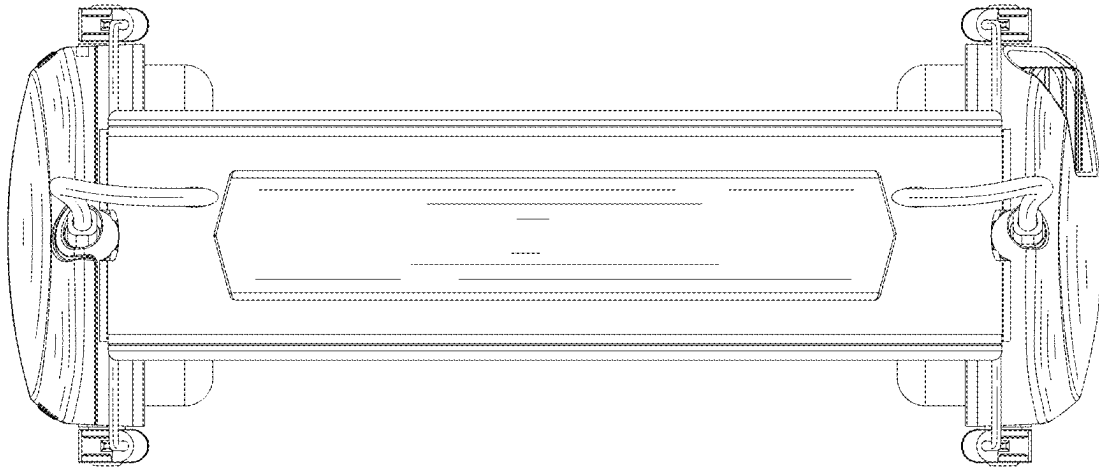


FIG. 7

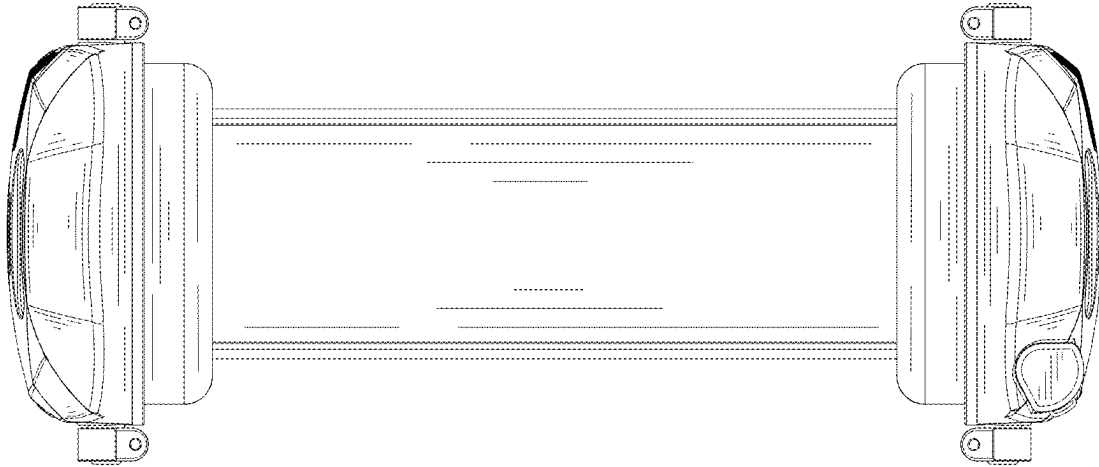


FIG. 8

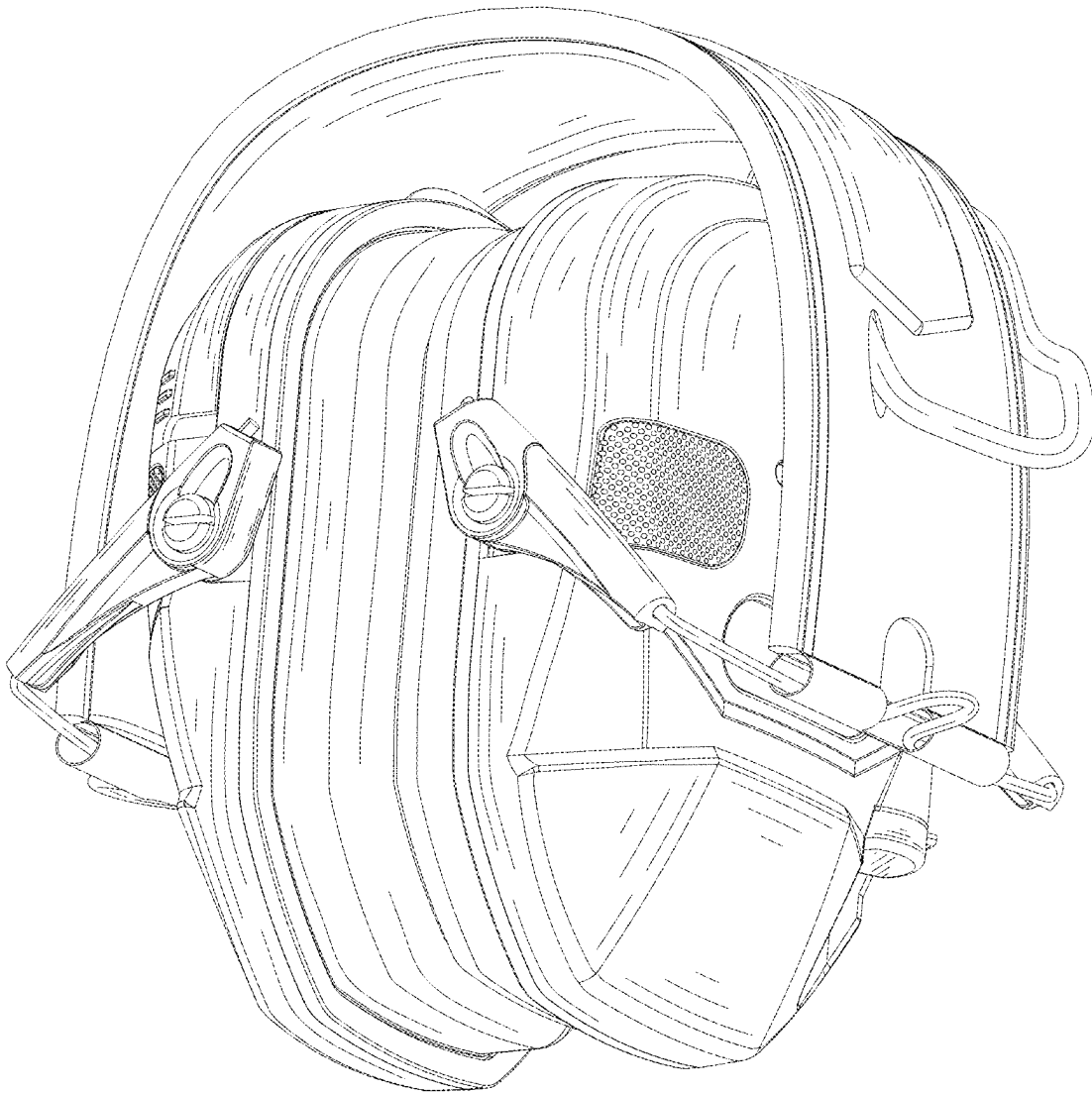


FIG. 9

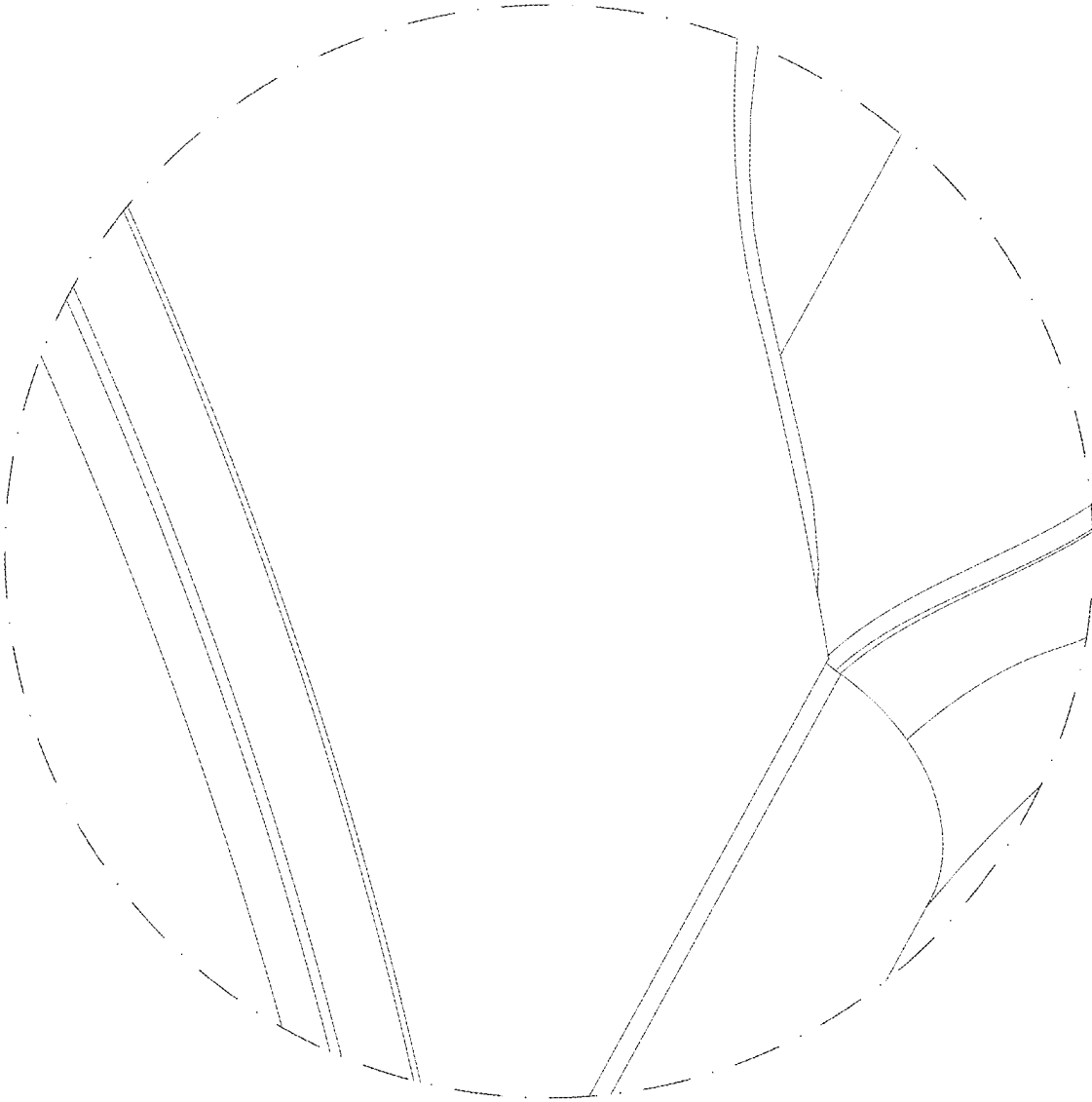


FIG. 10

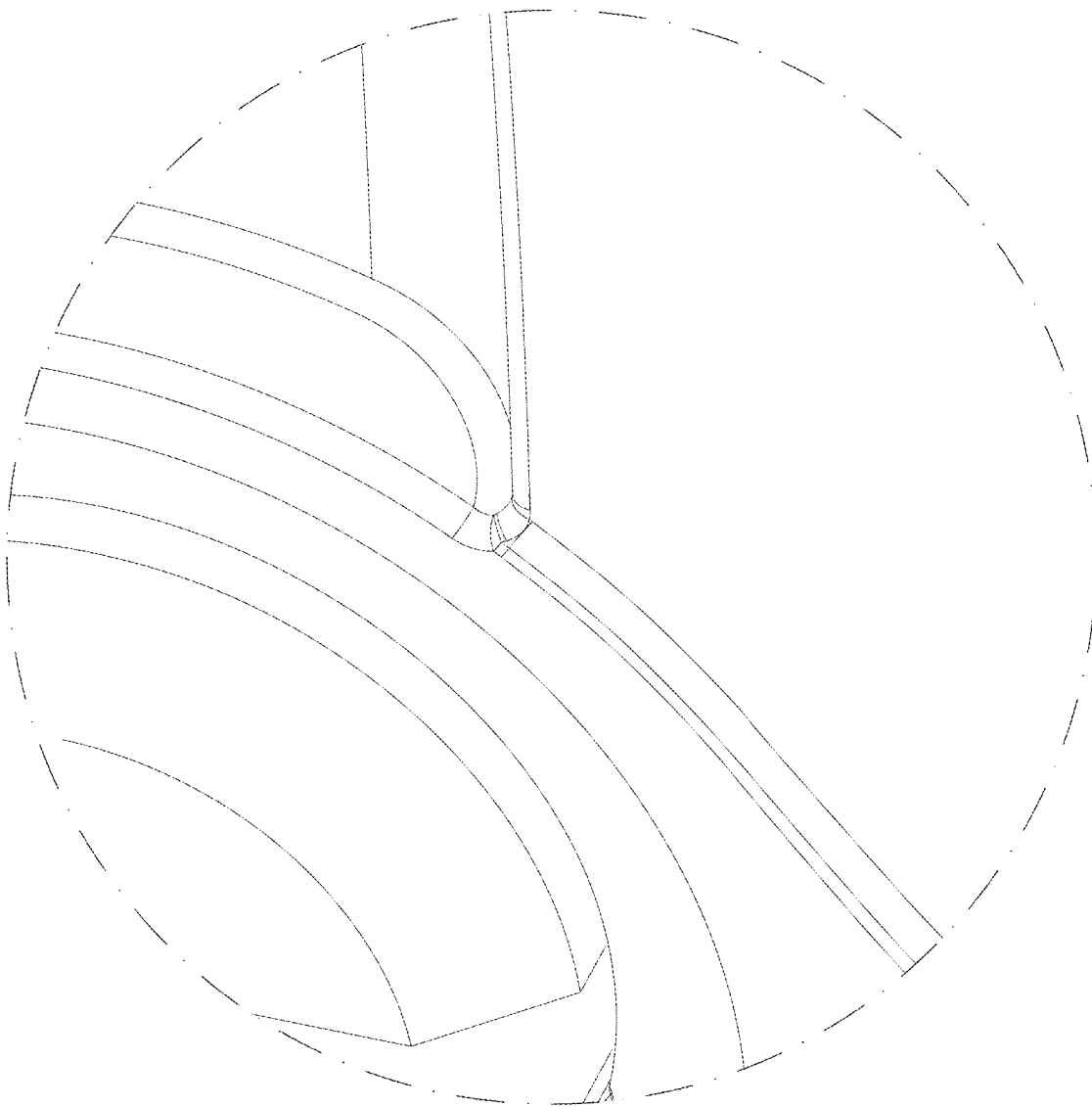


FIG. 11

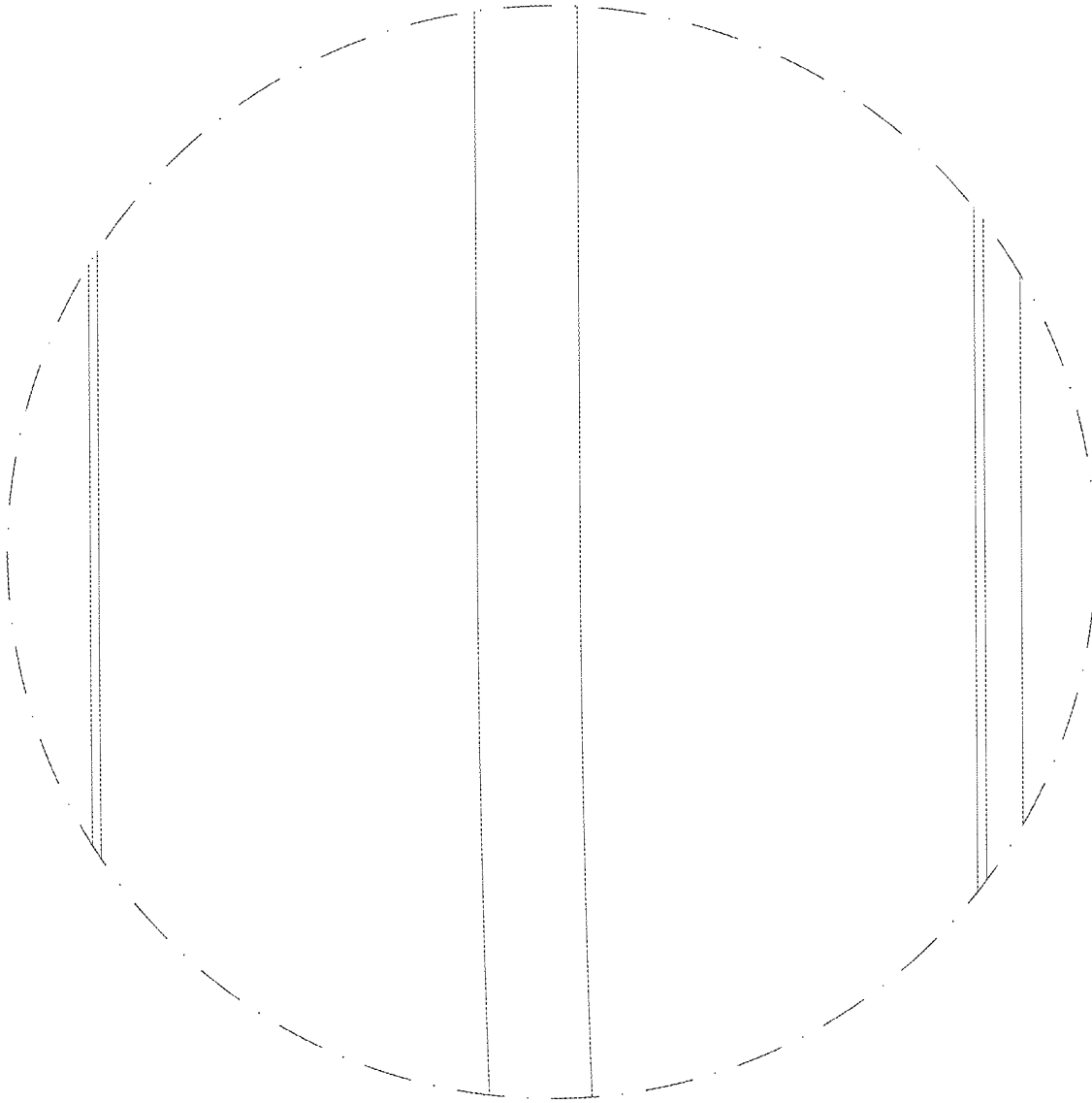


FIG. 12

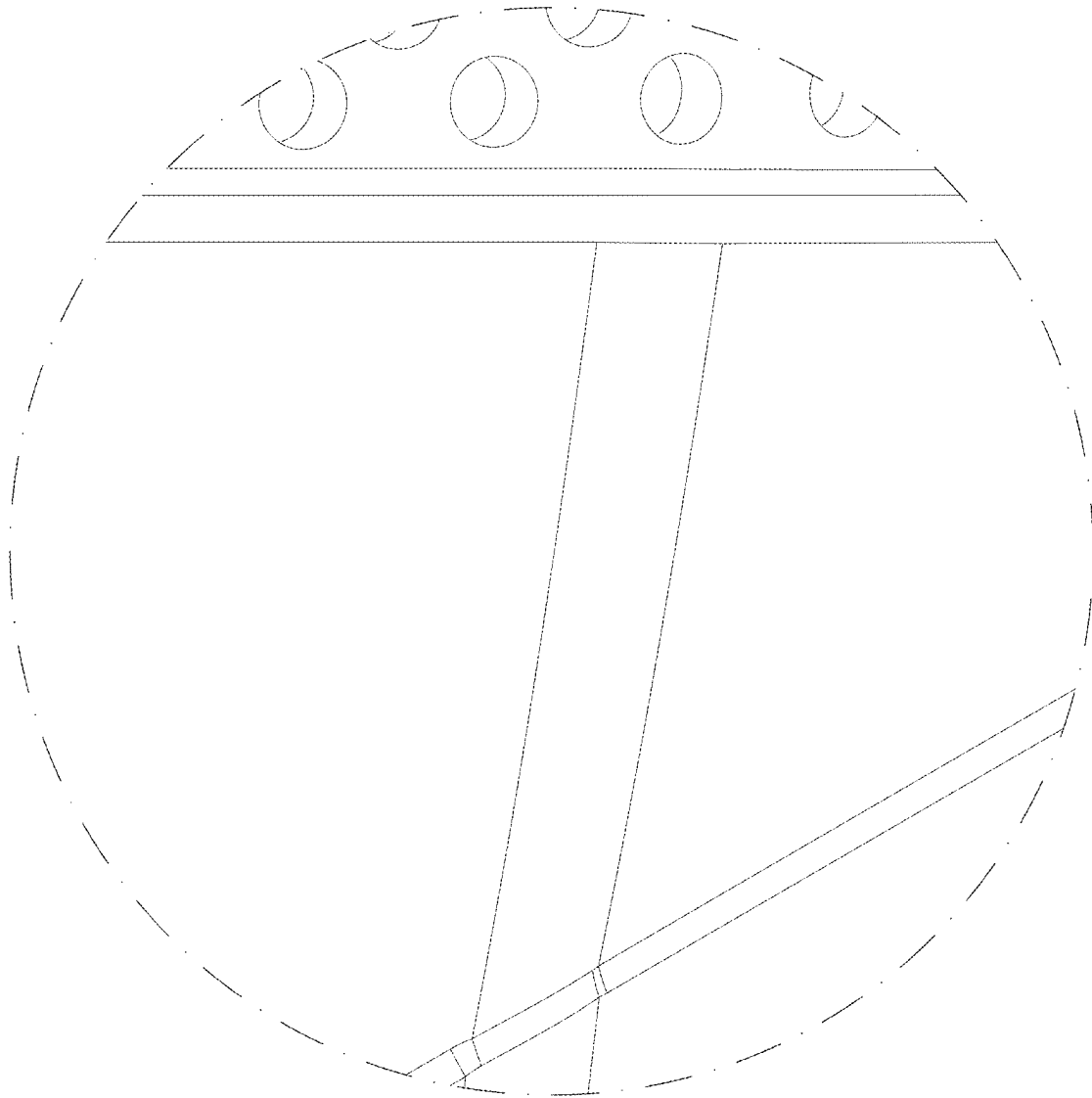


FIG. 13