



US0D1088970S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,088,970 S**
Wu et al. (45) **Date of Patent:** **** Aug. 19, 2025**

(54) **FOLDABLE BICYCLE FRAME**

<URL: <https://biria.com/products/electric-step-through-folding-st-3-0>>.*

(71) Applicant: **GuangDong Dashuo Metal Material Co., Ltd, ZhaoQing (CN)**

(Continued)

(72) Inventors: **Peijian Wu, ZhaoQing (CN); Hesheng Wu, ZhaoQing (CN); Peifan Wu, ZhaoQing (CN)**

Primary Examiner — Darlington Ly

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

(57) **CLAIM**

(21) Appl. No.: **29/918,224**

The ornamental design for a foldable bicycle frame, as shown and described.

(22) Filed: **Nov. 27, 2023**

(51) **LOC (15) Cl.** **12-11**

(52) **U.S. Cl.**
USPC **D12/111**

(58) **Field of Classification Search**
USPC D12/111, 117; D21/412, 414, 419, D21/423–428, 431–435
CPC B62K 3/00; B62K 3/02; B62K 3/06
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D727,214	S	*	4/2015	Yang	.....	D12/111
D952,520	S	*	5/2022	Liu	.....	D12/111
D957,291	S	*	7/2022	Deng	.....	D12/111
D988,197	S	*	6/2023	Cao	.....	D12/111
D988,198	S	*	6/2023	Cao	.....	D12/111
D991,098	S	*	7/2023	Fang	.....	D12/111
D991,099	S	*	7/2023	Chen	.....	D12/111
D992,461	S	*	7/2023	Yang	.....	D12/111
D992,462	S	*	7/2023	Stridsberg	.....	D12/111
D996,301	S	*	8/2023	Zhang	.....	D12/111
D997,790	S	*	9/2023	Liu	.....	D12/111
D998,508	S	*	9/2023	Li	.....	D12/111
D1,008,882	S	*	12/2023	Yang	.....	D12/111
D1,008,884	S	*	12/2023	Yang	.....	D12/111

(Continued)

OTHER PUBLICATIONS

“Electric Step-Through Folding—ST 3.0.” Biria., Nov. 6, 2020 [online], [retrieved on Apr. 1, 2025]. Retrieved from the Internet

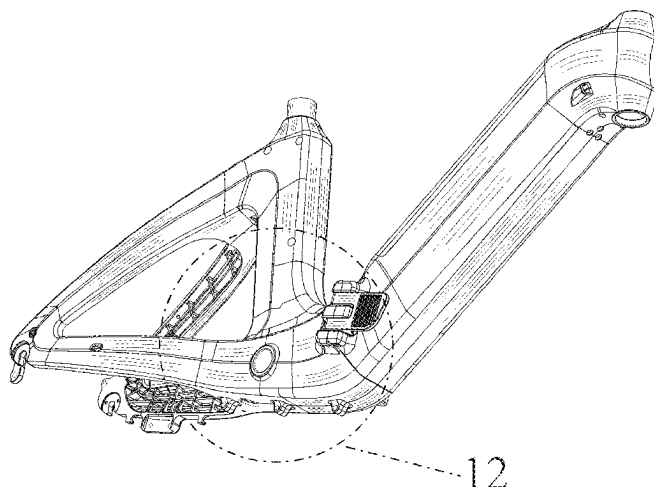
DESCRIPTION

FIG. 1 is a top-left side perspective view of a foldable bicycle frame embodying our new design; FIG. 2 is a left side elevation view thereof; FIG. 3 is a right side elevation view thereof; FIG. 4 is a front elevation view thereof; FIG. 5 is a rear elevation view thereof; FIG. 6 is a top plan view thereof; FIG. 7 is a bottom plan view thereof; FIG. 8 is a bottom-front-right side perspective view thereof; FIG. 9 is an enlarged and partial perspective view of area 9 in FIG. 1; FIG. 10 is an enlarged and partial right side elevation view of area 10 in FIG. 3; FIG. 11 is an enlarged and partial rear elevation view of area 11 in FIG. 5; and, FIG. 12 is an enlarged and partial perspective view of area 12 in FIG. 8.

The broken lines in the drawings depict portions of the foldable bicycle frame that form no part of the claimed design.

The dot-dash broken lines in drawings are provided for annotative purposes to graphically indicate the areas of enlargement. The dot-dash broken lines do not represent actual structure and do not form part of the claimed design.

1 Claim, 12 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D1,022,806	S *	4/2024	Xu	D12/111
D1,037,936	S *	8/2024	Rouffiat	D12/111
D1,049,936	S *	11/2024	Xiong	D12/111
D1,051,779	S *	11/2024	Li	D12/111
D1,072,679	S *	4/2025	Zhu	D12/111
2018/0319457	A1 *	11/2018	Santucci	B62M 6/50
2021/0261217	A1 *	8/2021	Montague	B62M 6/55
2023/0382239	A1 *	11/2023	Lo	A63B 21/00192
2024/0025506	A1 *	1/2024	Stiffel	B62M 6/90
2025/0033736	A1 *	1/2025	Chai	B60L 50/15

OTHER PUBLICATIONS

“Zhebike.” Zhebike., Aug. 18, 2023 [online], [retrieved on Apr. 1, 2025]. Retrieved from the Internet <URL: <https://www.zhebike.com/step-through-folding-electric-bike/>>.*

“Addmotor Motan M-140 Step Thru 500W Folding Electric Fat Bike.” Best Electric Bikes, Dec. 7, 2019 [online], [retrieved on Apr. 1, 2025]. Retrieved from the Internet <URL: <https://bestelectricbikesmade.com/product/addmotor-motan-m-140-step-thru-500w-folding-electric-fat-bike/>>.*

“Powerful Step Through 26 Inch City Electric Bike 826MY18 SM (White/Black).” eBikes Pro., Dec. 27, 2018 [online], [retrieved on Apr. 1, 2025]. Retrieved from the Internet <URL: <https://ebikespro.com.au/products/powerful-26-inch-step-through-city-electric-bike-326my18-sm/>>.*

“Premium Step-Through E-Bikes.” Trend Hunter., Jun. 13, 2022 [online], [retrieved on Apr. 1, 2025]. Retrieved from the Internet <URL: <https://www.trendhunter.com/trends/hovalpha>>.*

“Hidoes BF1 Step Through Folding Electric Bike.” Alpha Scootz., Jul. 16, 2023 [online], [retrieved on Apr. 1, 2025]. Retrieved from the Internet <URL: <https://alphascootz.uk/shop/electric-bikes/hidoes-bf1-step-through-folding-electric-bike/?q=/shop/electric-bikes-uk/hidoes-bf1-step-through-folding-electric-bike/>>.*

* cited by examiner

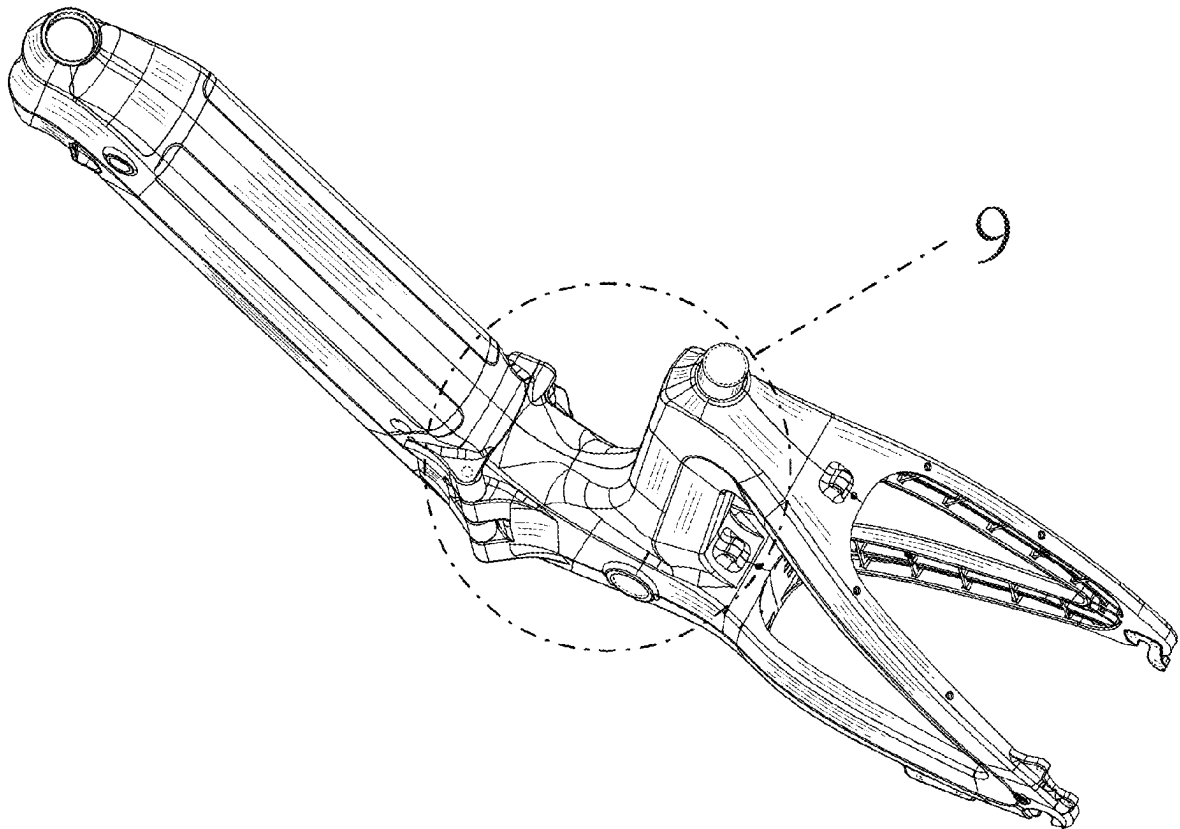


FIG. 1

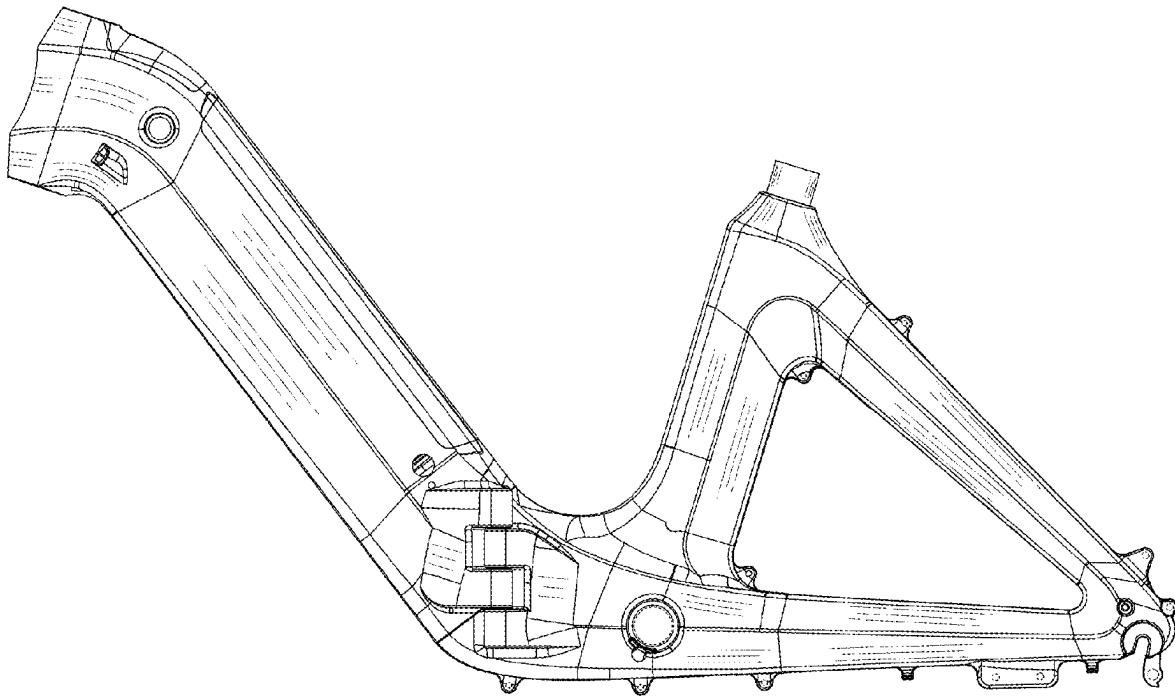


FIG. 2

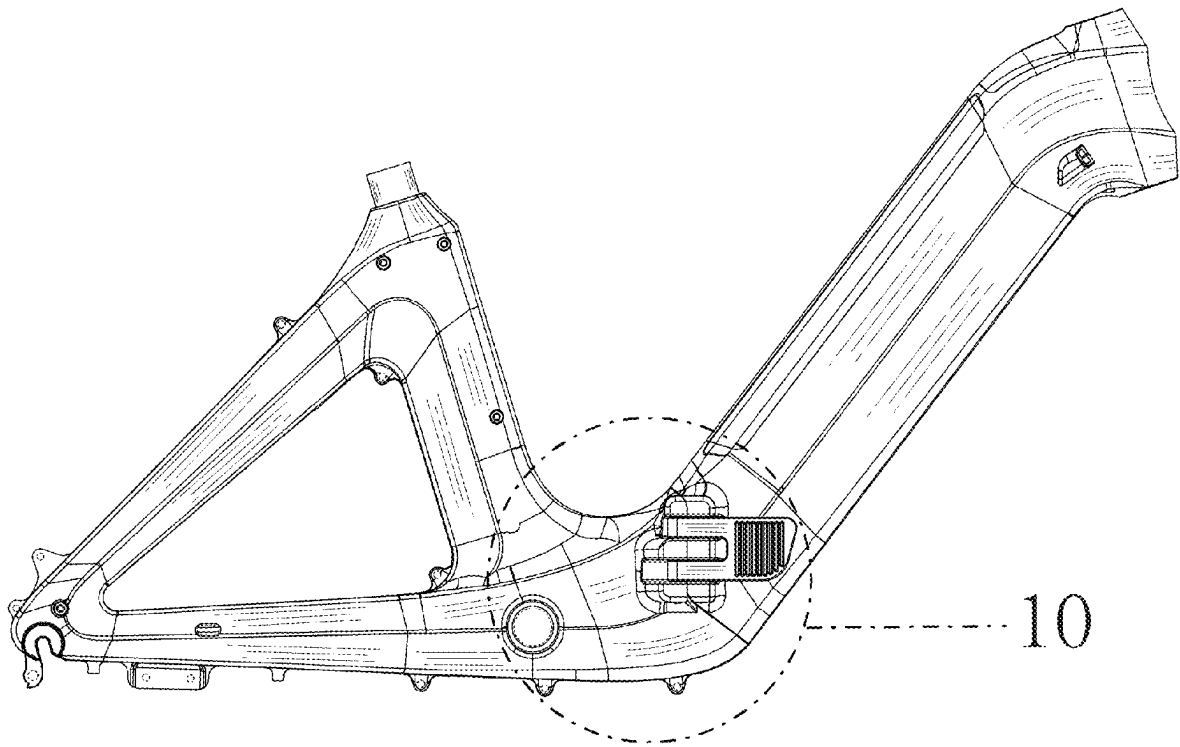


FIG. 3

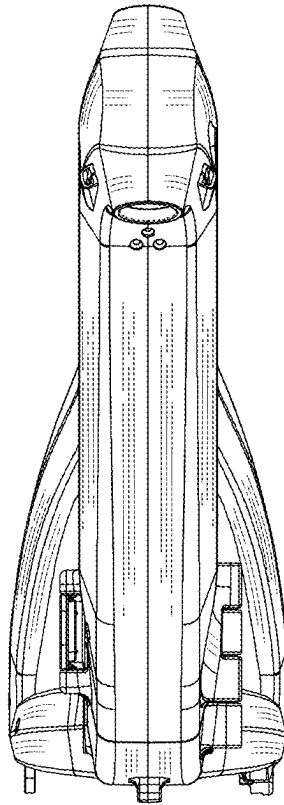


FIG. 4

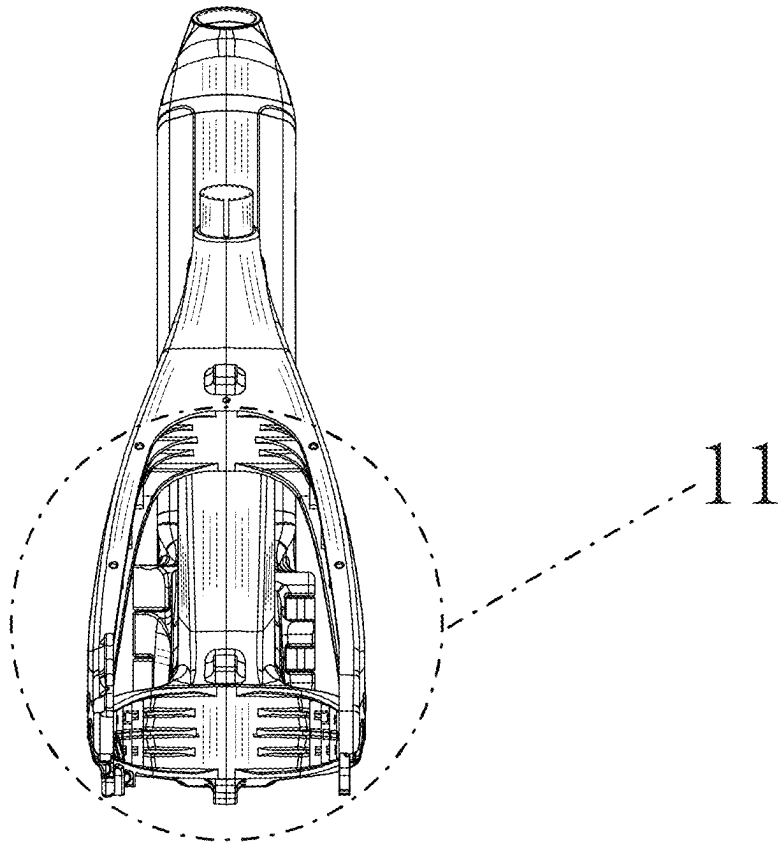


FIG. 5

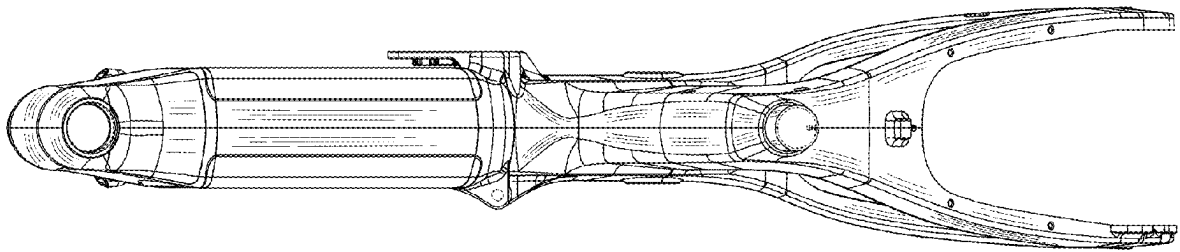


FIG. 6

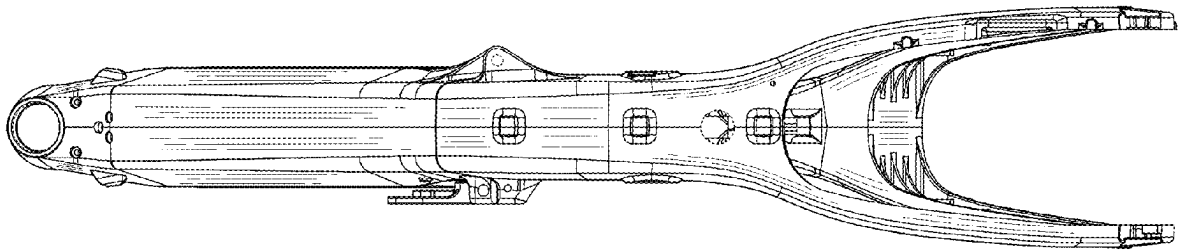


FIG. 7

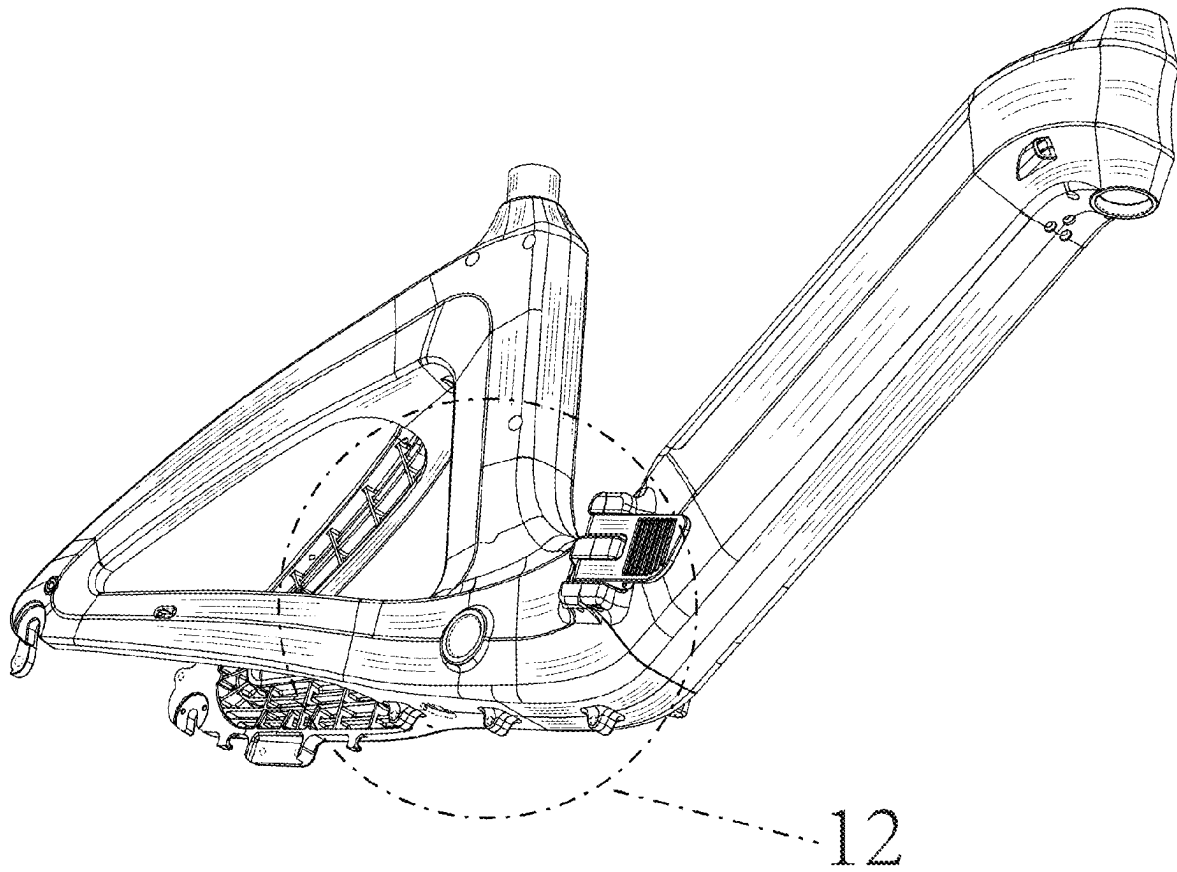


FIG. 8

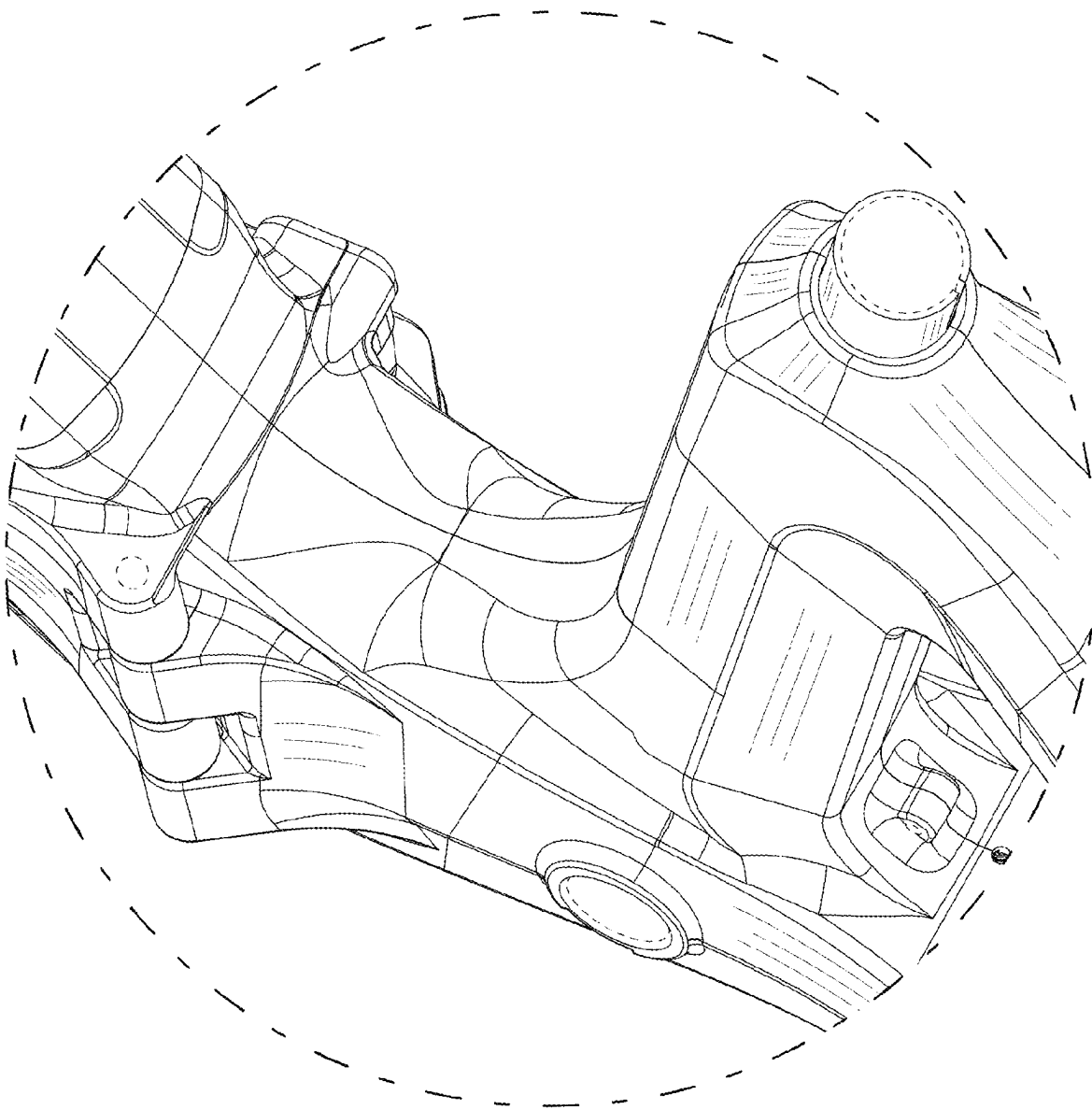


FIG. 9

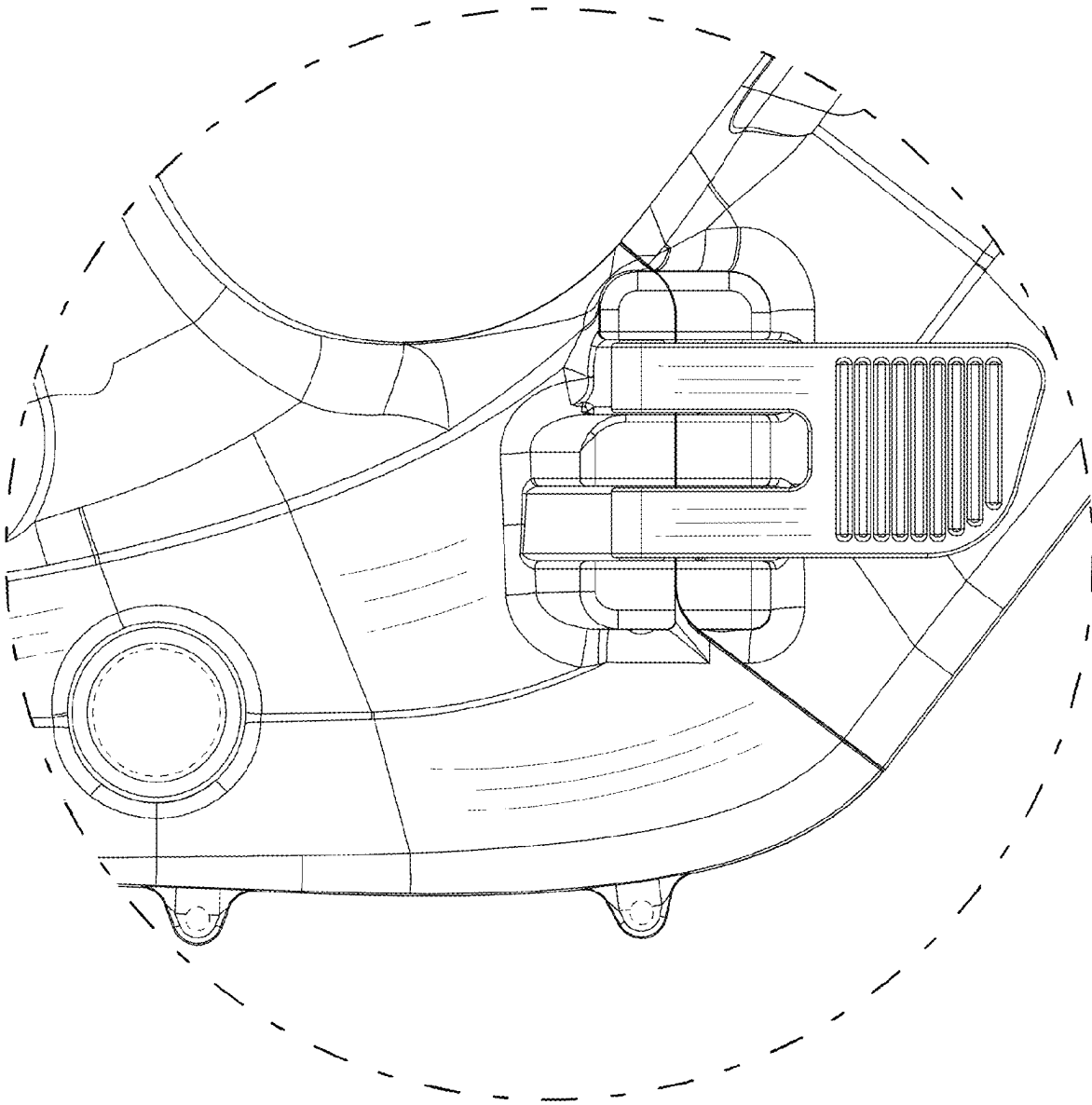


FIG. 10

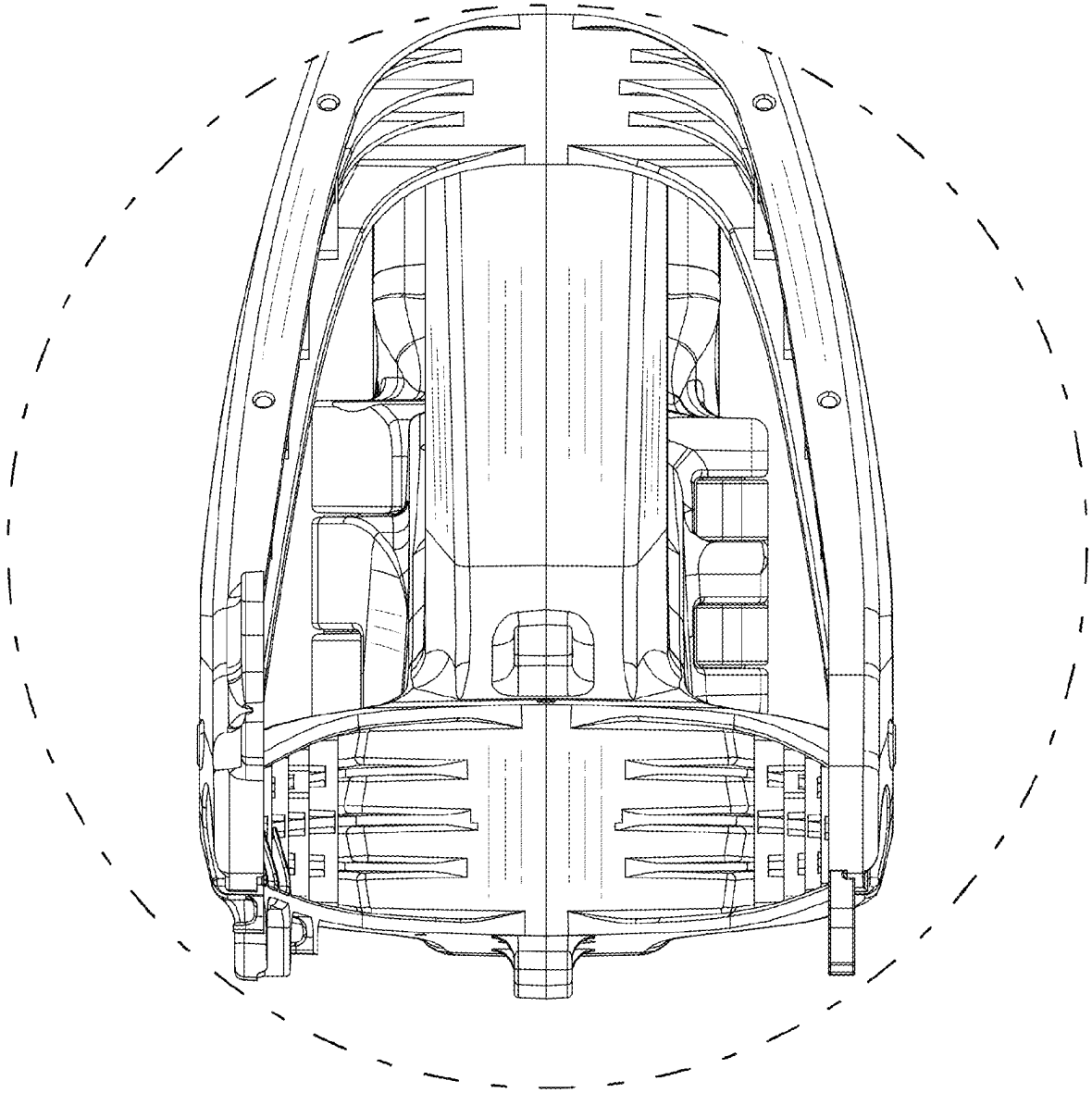


FIG. 11

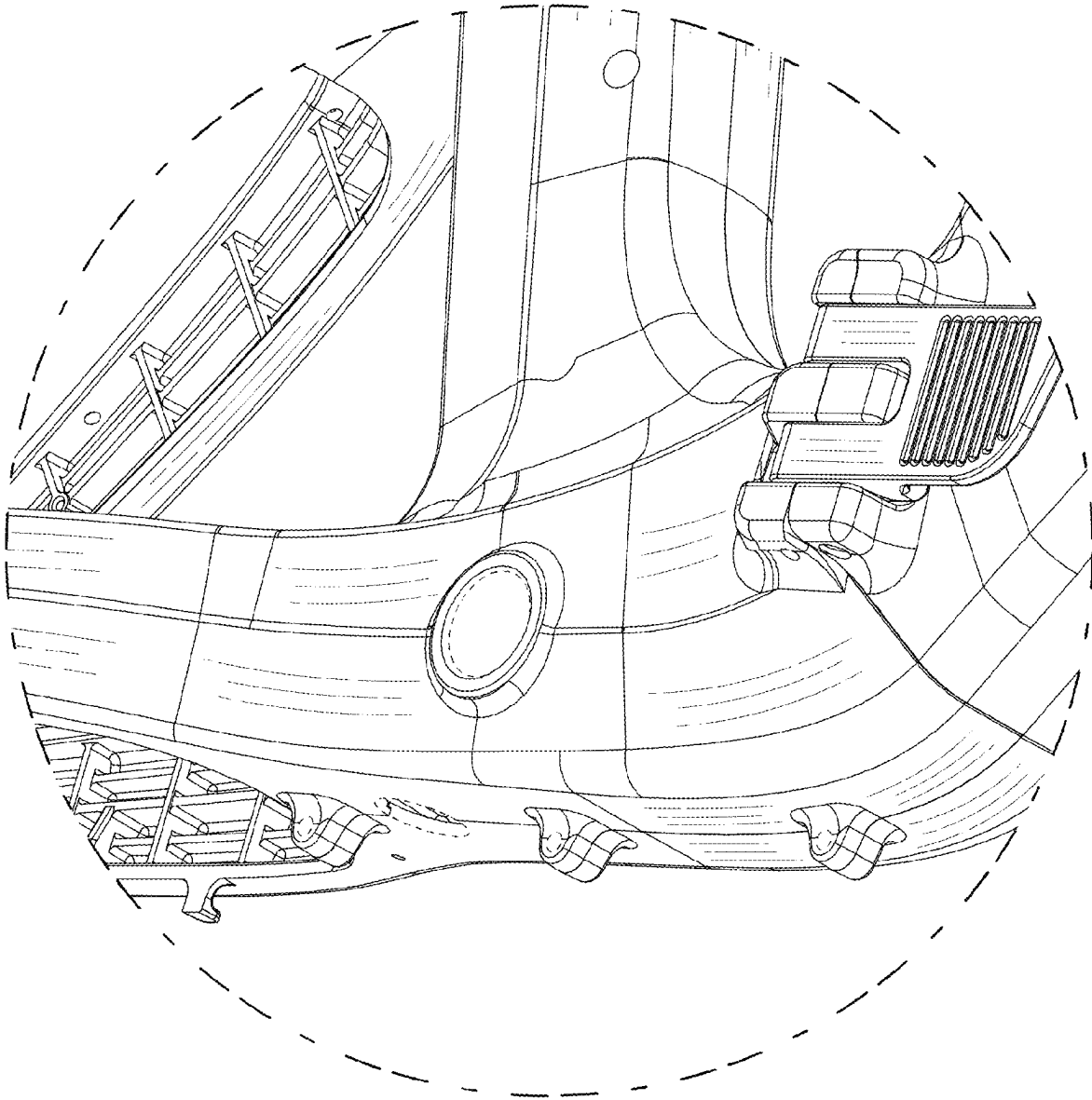


FIG. 12