



US00D867208S

(12) **United States Design Patent**
Abe et al.

(10) **Patent No.:** **US D867,208 S**
(45) **Date of Patent:** **** Nov. 19, 2019**

(54) **RAIL VEHICLE**

5,170,715 A * 12/1992 Gran B60L 13/06
104/23.1

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(Continued)

FOREIGN PATENT DOCUMENTS

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JP 1249770 S 9/2005

OTHER PUBLICATIONS

Abe et al., Design U.S. Appl. No. 29/588,585, filed Dec. 21, 2016.

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(57) **CLAIM**

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

The ornamental design for a rail vehicle, as shown and described.

(21) Appl. No.: **29/621,467**

(22) Filed: **Oct. 9, 2017**

DESCRIPTION

(30) **Foreign Application Priority Data**

Apr. 10, 2017 (JP) 2017-007608

(51) **LOC (12) Cl.** **12-03**

(52) **U.S. Cl.**
USPC **D12/36**

(58) **Field of Classification Search**

USPC D12/36, 37, 39, 40, 42, 43, 47, 49, 51

CPC B61D 37/00; B61D 17/045; B61D 17/00;

B61D 17/12; B61D 29/00; B61D 17/041;

B61D 17/04; B61D 1/00; B61D 13/00;

(Continued)

This application contains subject matter related to the following co-pending U.S. design patent application:

Application Ser. No. 29/588,585, filed Dec. 21, 2016 and entitled "Rail Vehicle."

FIG. 1 is a front, top and left side perspective view of a rail vehicle according to the design;

FIG. 2 is a front elevational view thereof;

FIG. 3 is a rear elevational view thereof;

FIG. 4 is a left side elevational view thereof;

FIG. 5 is a right side elevational view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof; and,

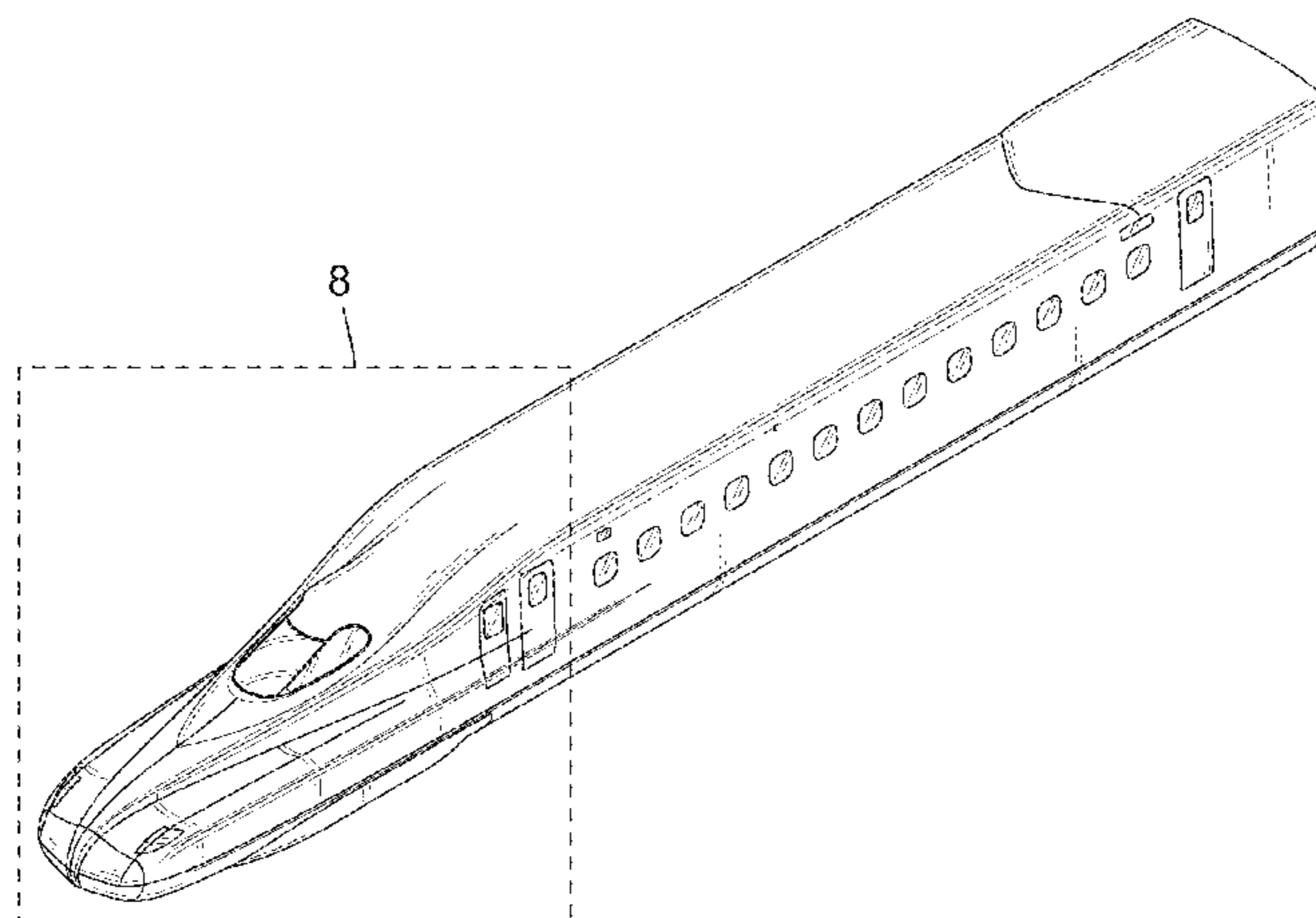
FIG. 8 is an enlarged view of the portion shown in BOX 8 in FIG. 1.

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,412,689 A * 11/1968 Hawes B61B 13/06
104/118



The broken lines illustrate portions of the rail vehicle that form no part of the claimed design.

1 Claim, 4 Drawing Sheets

(58) **Field of Classification Search**

CPC B61D 17/043; B61D 17/005; B61D 19/00;
B61F 5/245; B60Q 3/025; B60Q 3/0256;
B60Q 3/0289; B60Q 3/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D577,313	S	*	9/2008	Graf	D12/38
D646,605	S	*	10/2011	Okuyama	D12/36
D822,541	S	*	7/2018	De Colombel	D12/36
D827,493	S	*	9/2018	Wang	D12/37
2018/0178813	A1	*	6/2018	Garza	B61B 5/00

* cited by examiner

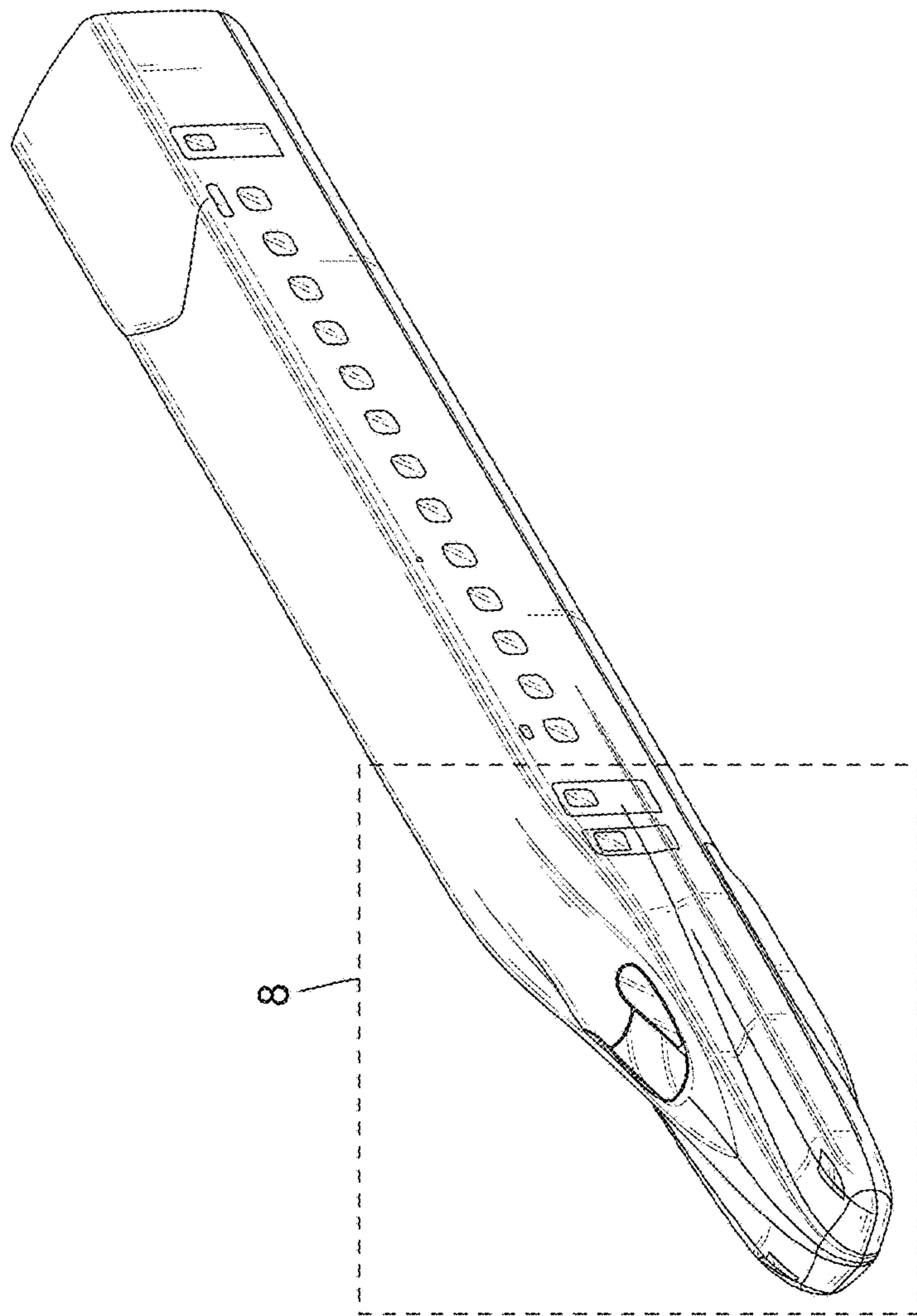


FIG. 1

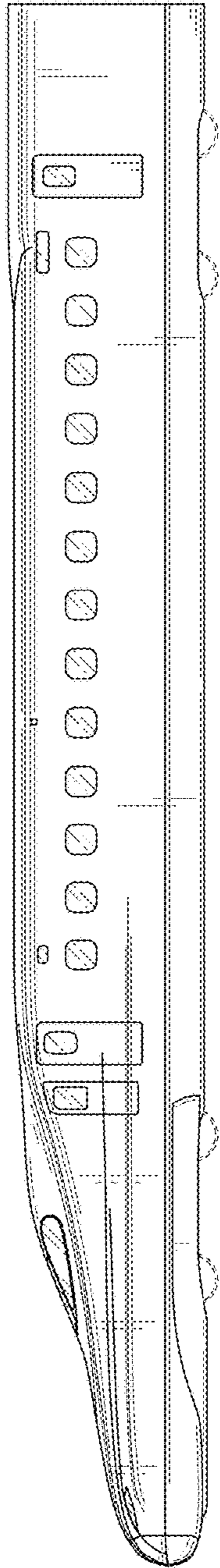


FIG. 2

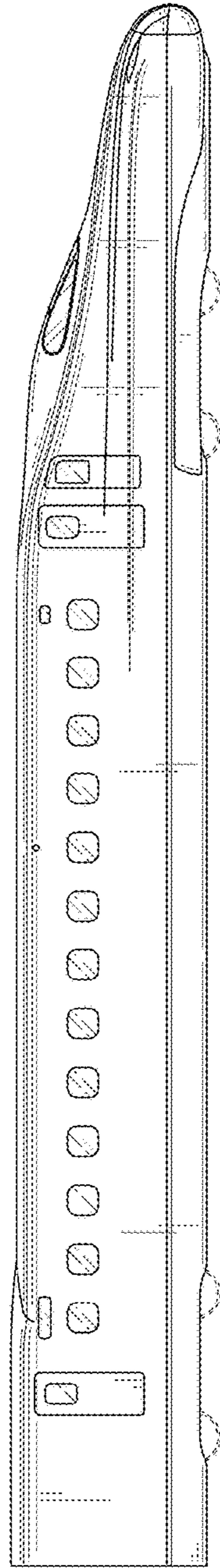


FIG. 3

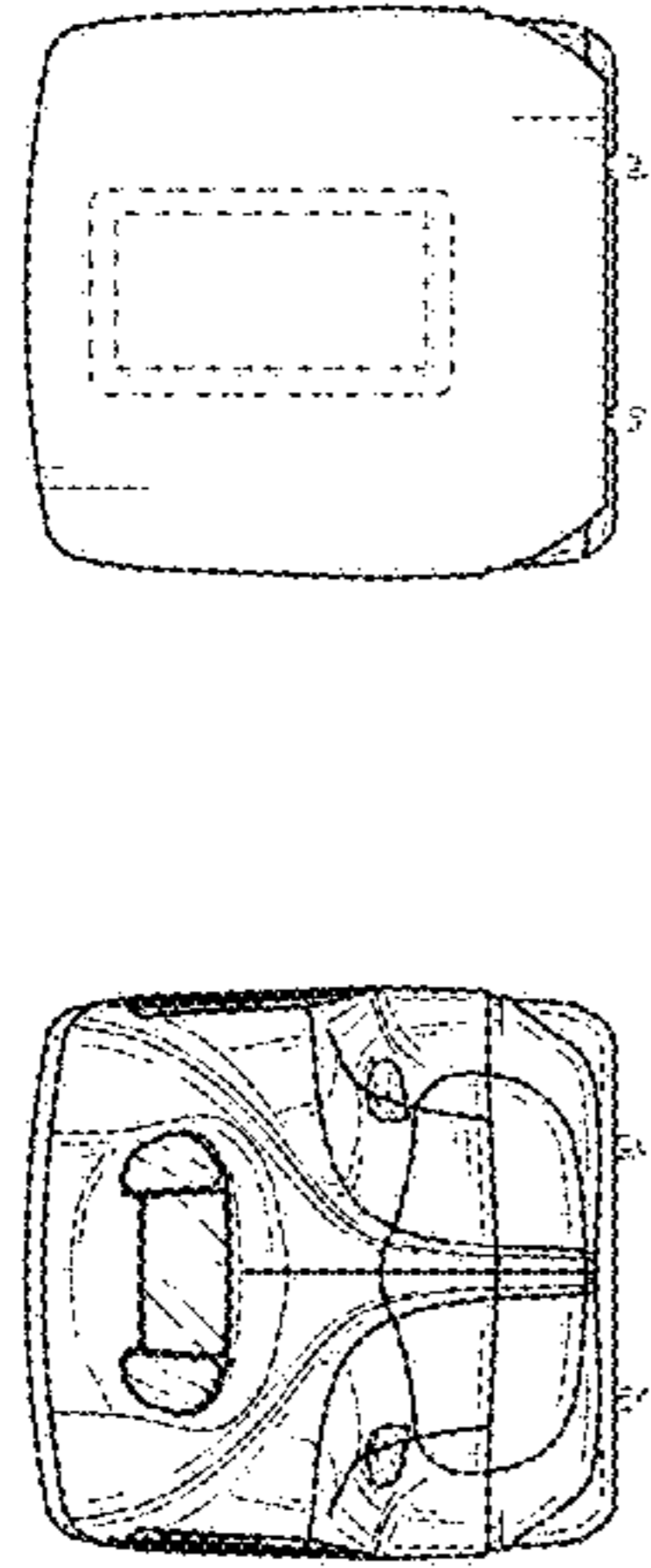


FIG. 4 FIG. 5

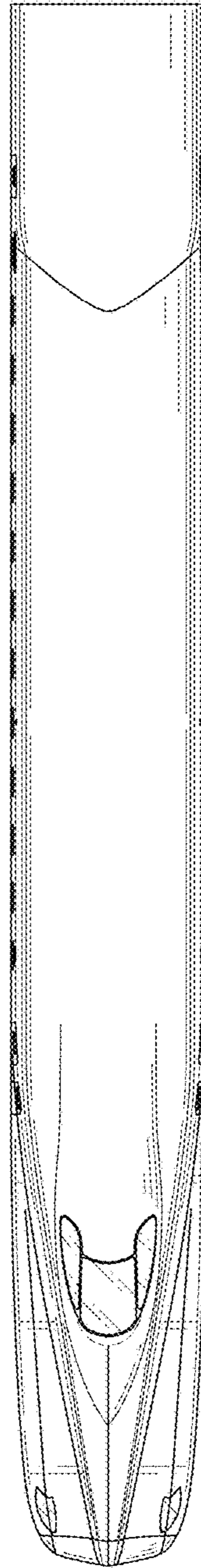


FIG. 6

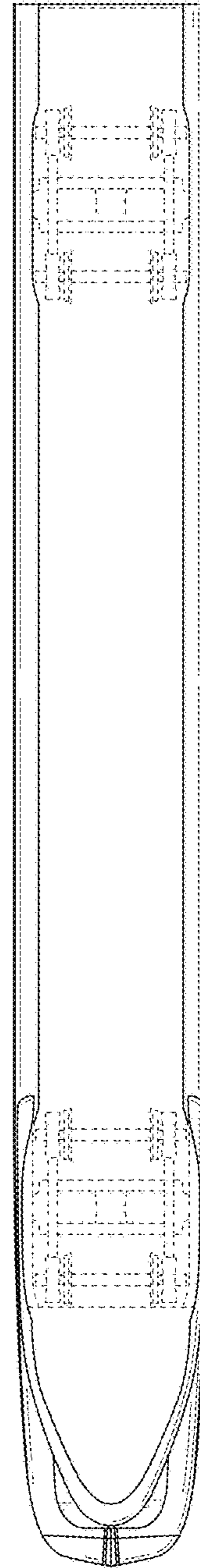


FIG. 7

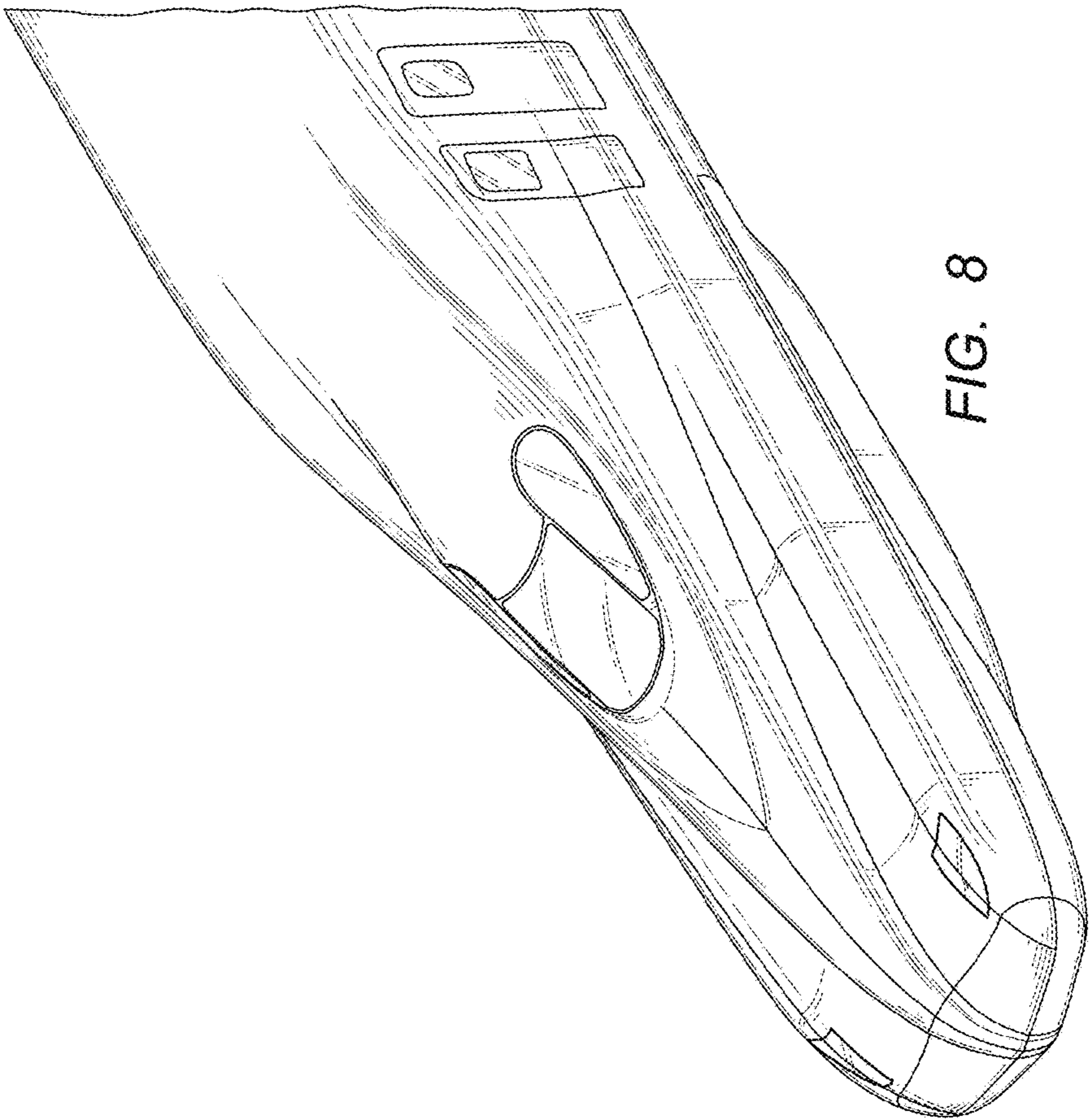


FIG. 8