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(12) **United States Design Patent**
Kawamura

(10) **Patent No.:** **US D962,168 S**

(45) **Date of Patent:** **** Aug. 30, 2022**

(54) **ION BEAM EXTRACTION ELECTRODE**

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(73) Assignee: **NISSIN ION EQUIPMENT CO., LTD.**, Koka (JP)

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

(21) Appl. No.: **29/737,088**

(22) Filed: **Jun. 5, 2020**

(30) **Foreign Application Priority Data**

Dec. 6, 2019 (JP) 2019-027141

(51) **LOC (13) Cl.** **13-01**

(52) **U.S. Cl.**
USPC **D13/121**

(58) **Field of Classification Search**

USPC D13/113, 117, 121, 122, 118, 182, 183,
D13/199

CPC H01M 10/425; H01J 2237/083; H01J
2237/0835

See application file for complete search history.

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(57) **CLAIM**

The ornamental design for an ion beam extraction electrode, as shown and described.

DESCRIPTION

FIG. 1 is a front view showing the ion beam extraction electrode;

FIG. 2 is a rear view thereof;

FIG. 3 is a plan view thereof;

FIG. 4 is a bottom view thereof;

FIG. 5 is a right side view thereof;

FIG. 6 is a left side view thereof;

FIG. 7 is a perspective view thereof;

FIG. 8 is an enlarged sectional view of FIG. 3;

FIG. 9 is an enlarged sectional view of FIG. 3;

FIG. 10 is an enlarged sectional view of FIG. 3;

FIG. 11 is an enlarged cross-sectional view of FIG. 8;

FIG. 12 is an enlarged sectional view of FIG. 8;

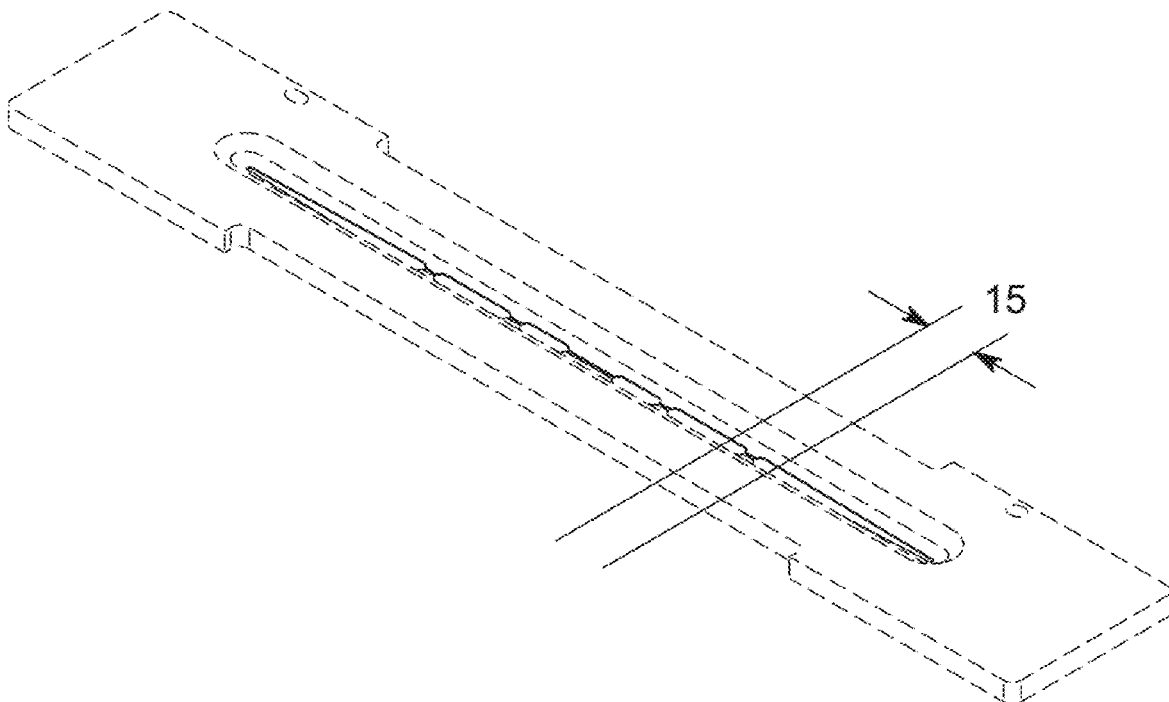
FIG. 13 is an enlarged sectional view of FIG. 9;

FIG. 14 is an enlarged sectional view of FIG. 10; and,

FIG. 15 is an enlarged perspective view of FIG. 7.

The broken lines in the drawings are intended to show portions of the ion beam extraction electrode that are not being claimed, and thus form no part of the claimed design.

1 Claim, 15 Drawing Sheets



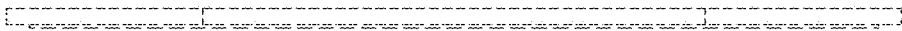


FIG. 1

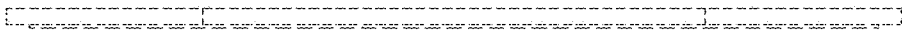


FIG. 2

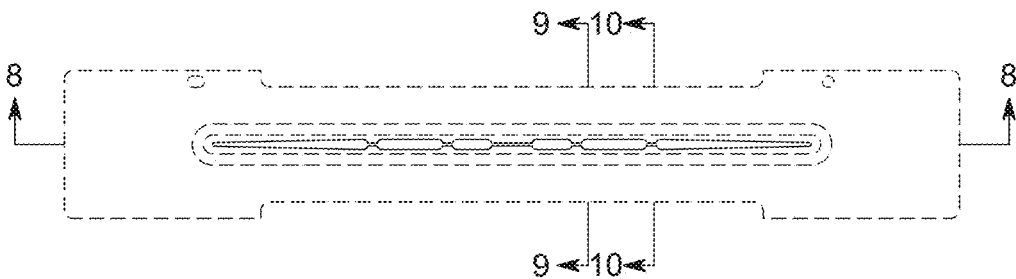


FIG. 3

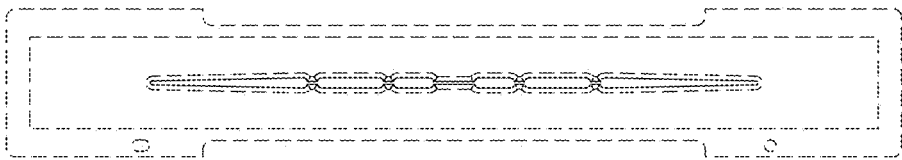


FIG. 4

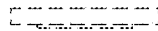


FIG. 5

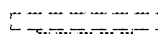


FIG. 6

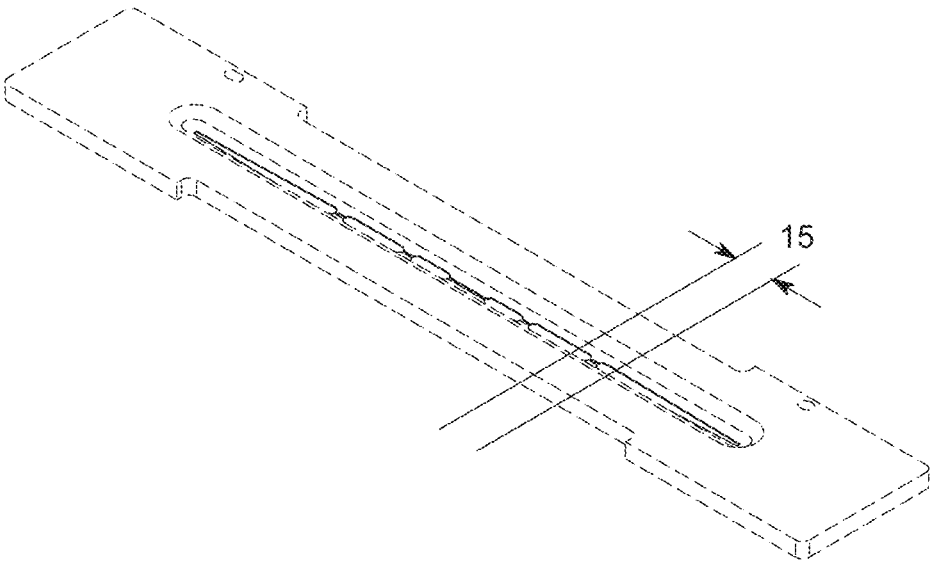


FIG. 7

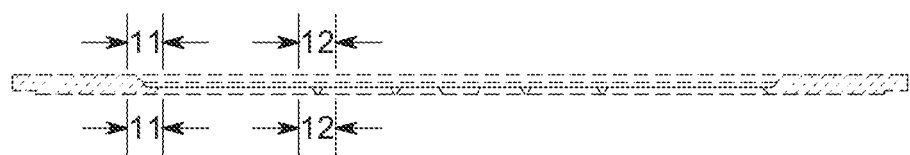


FIG. 8

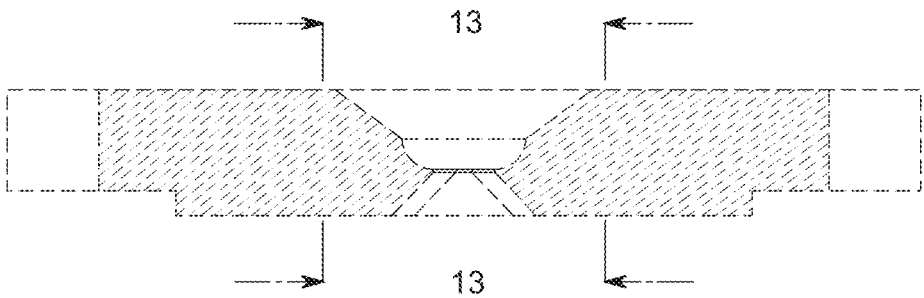


FIG. 9

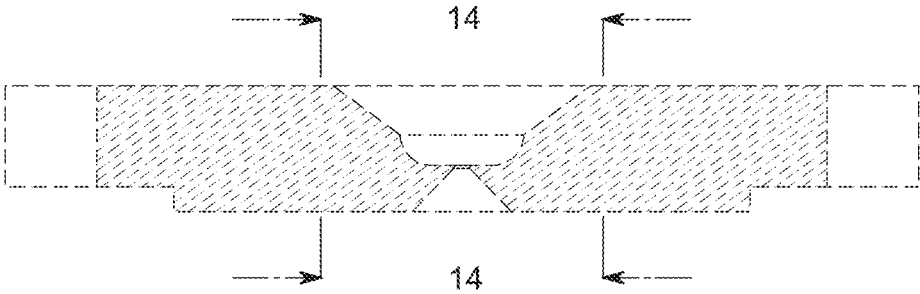


FIG. 10

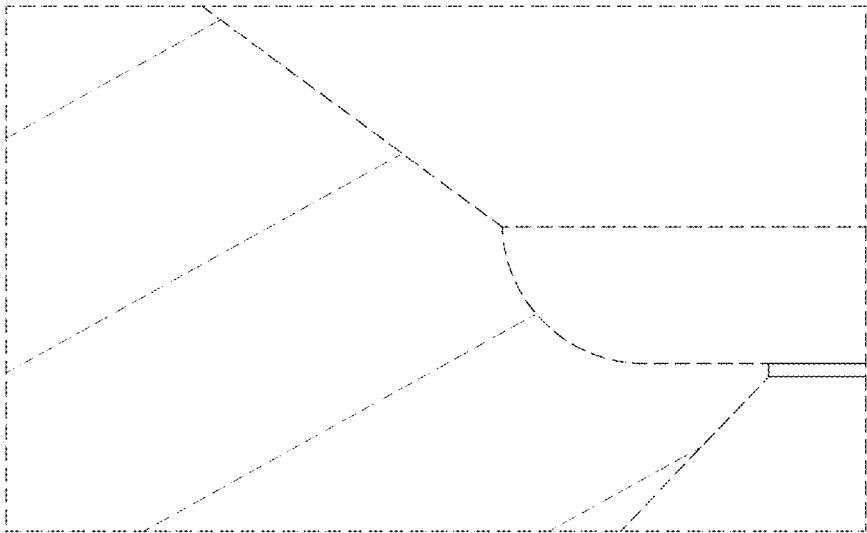


FIG. 11

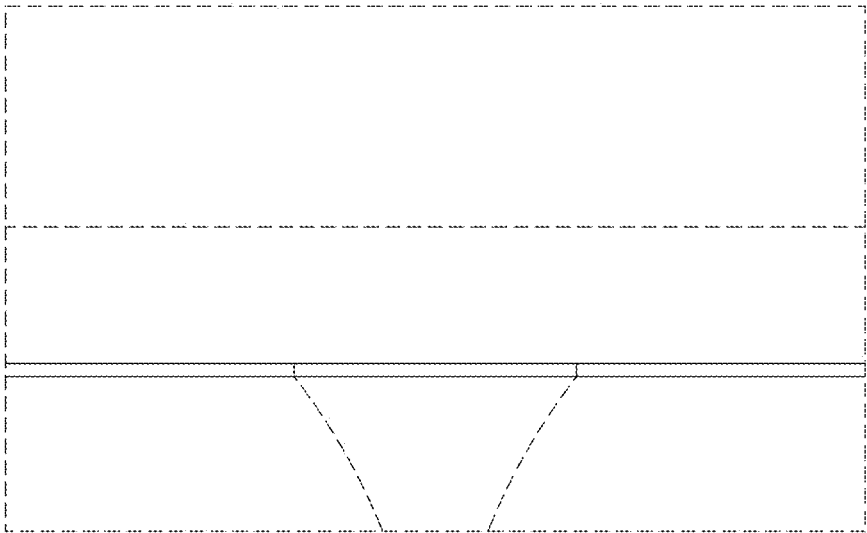


FIG. 12

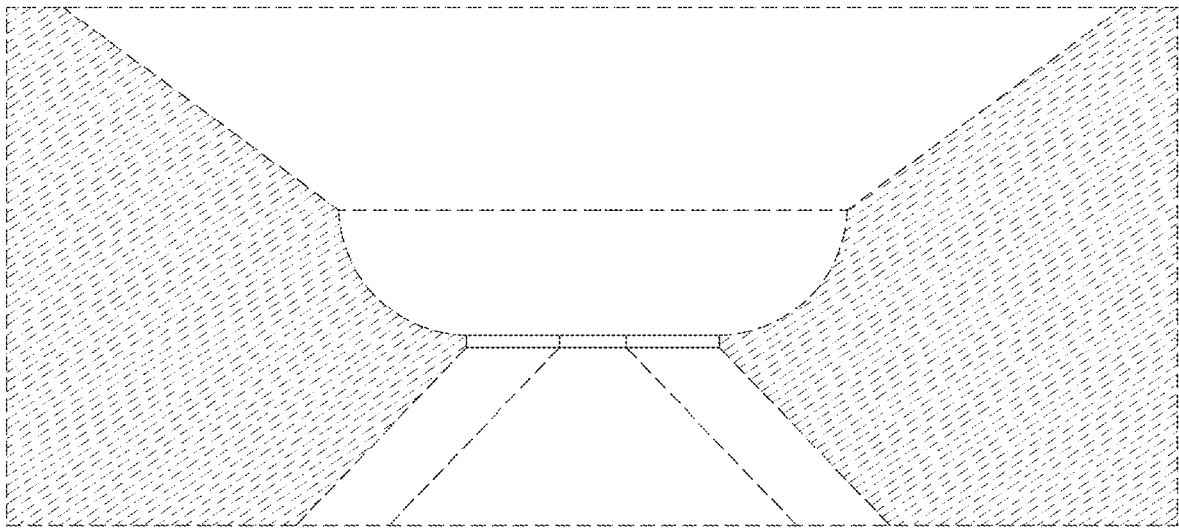


FIG. 13

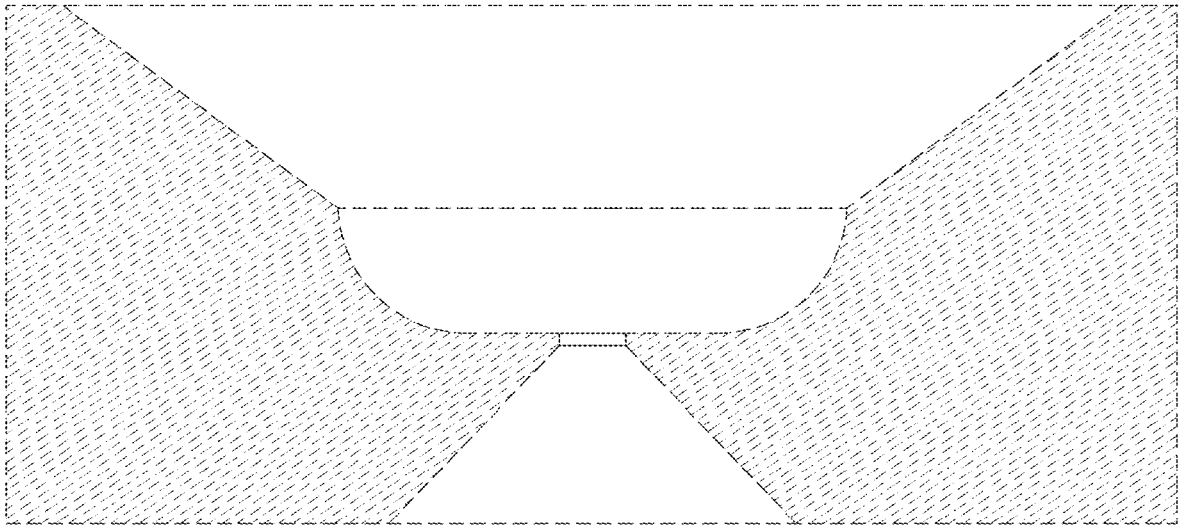


FIG. 14

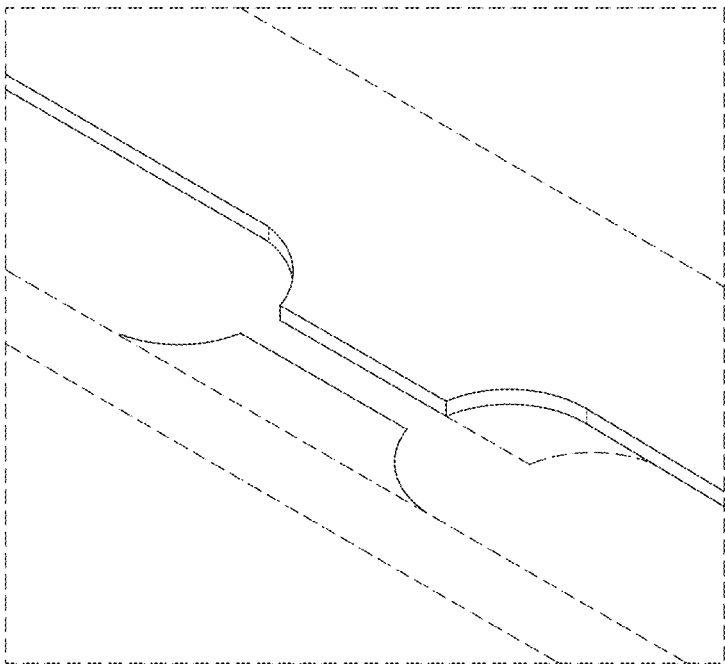


FIG. 15