US00D961431S

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

(10) **Patent No.: US D961,431 S**
(45) **Date of Patent: ** Aug. 23, 2022**

(54) **FLOW CELL HOLDER**

(71) Applicants: **QIAGEN GMBH**, Hilden (DE); **HITACHI HIGH-TECH CORPORATION**, Tokyo (JP)

(72) Inventors: **Maximilian Focke**, Hilden (DE); **Bernd Winkelhake**, Wolfsburg (DE); **Hitoshi Miyata**, Tokyo (JP)

(73) Assignees: **QIAGEN GMBH**, Hilden (DE); **HITACHI HIGH-TECH CORPORATION**, Tokyo (JP)

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

(21) Appl. No.: **29/729,706**

(22) Filed: **Mar. 30, 2020**

(30) **Foreign Application Priority Data**

Sep. 30, 2019 (EM) 006954350-0001

(51) **LOC (13) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/103**

(58) **Field of Classification Search**
USPC ... D10/46, 47, 75, 80, 81, 94, 96, 101, 103; D13/101, 102, 118, 123, 158, 165, 166, D13/173, 182, 184, 199
CPC G01N 21/03; G01N 21/05; G01N 21/0303; G01N 21/031; G01N 21/01; G01N 21/0307; G01N 30/74; G01N 2021/0339; G01N 2021/058; G01N 2021/135; G01N 21/09; G01N 1/10; G01N 15/0806; G01N 23/20025; G01N 30/6047; G01N 2035/00801; G01N 2203/0447; G01N 2223/307; G01N 2223/309
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D28,309	S *	2/1898	Marks	D10/103
2,247,008	A *	6/1941	Assmus	G01N 21/293 356/414
D131,157	S *	1/1942	Drake et al.	D10/103
2,864,279	A *	12/1958	Phifer	G01N 21/03 356/244
3,280,857	A *	10/1966	Grave, Jr.	G01N 21/03 141/37
3,286,583	A *	11/1966	Ferrari	G01N 21/05 250/576
3,319,512	A *	5/1967	Isreeli	G01N 21/253 422/65
3,501,242	A *	3/1970	Dolgen	G01N 21/03 356/246
3,584,964	A *	6/1971	Nejame, Jr.	G01N 21/05 73/61.41

(Continued)

FOREIGN PATENT DOCUMENTS

WO WO 2020/100659 5/2020

Primary Examiner — Elizabeth J Oswecki
(74) *Attorney, Agent, or Firm* — Sheridan Ross PC

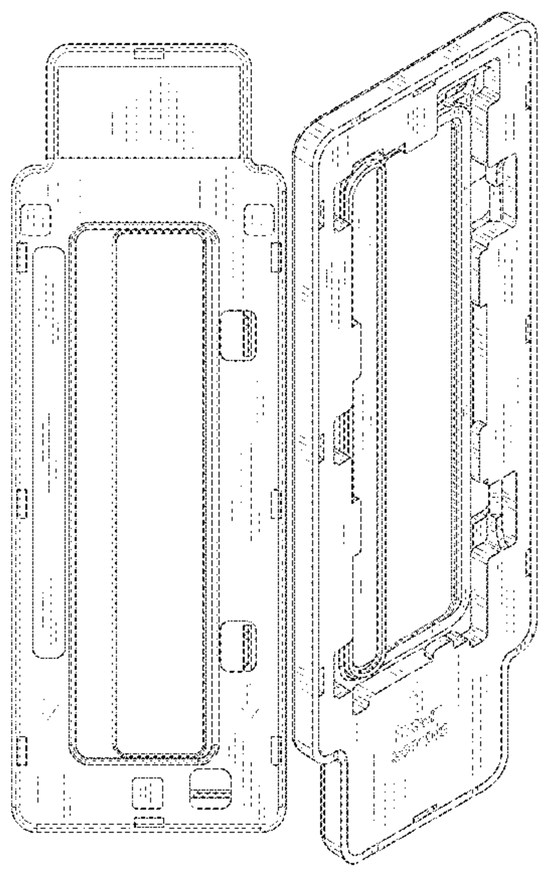
(57) **CLAIM**

The ornamental design for a flow cell holder, as shown and described.

DESCRIPTION

FIG. **1** is a top view of a flow cell holder, showing our new design;
FIG. **2** is a front view thereof;
FIG. **3** is a bottom view thereof;
FIG. **4** is a side view thereof;
FIG. **5** is a back view thereof;
FIG. **6** is a top perspective view thereof; and,
FIG. **7** is a bottom perspective view thereof.
The broken lines shown in the drawings represent portions of the flow cell holder that form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

3,684,386	A *	8/1972	Noll	G01N 21/05 359/232
3,692,416	A *	9/1972	Tarbet	G01N 21/03 356/244
4,566,791	A *	1/1986	Goldsmith	G01N 21/05 356/411
4,575,424	A *	3/1986	Allington	G01N 21/05 210/198.2
4,822,166	A *	4/1989	Rossiter	G01N 21/05 356/244
6,816,254	B2 *	11/2004	Pastwik	G01N 21/41 356/246
D814,325	S *	4/2018	Little, III	D10/96
D900,656	S *	11/2020	Krywyj	D10/96
D913,133	S *	3/2021	Brusseau	D10/103

* cited by examiner

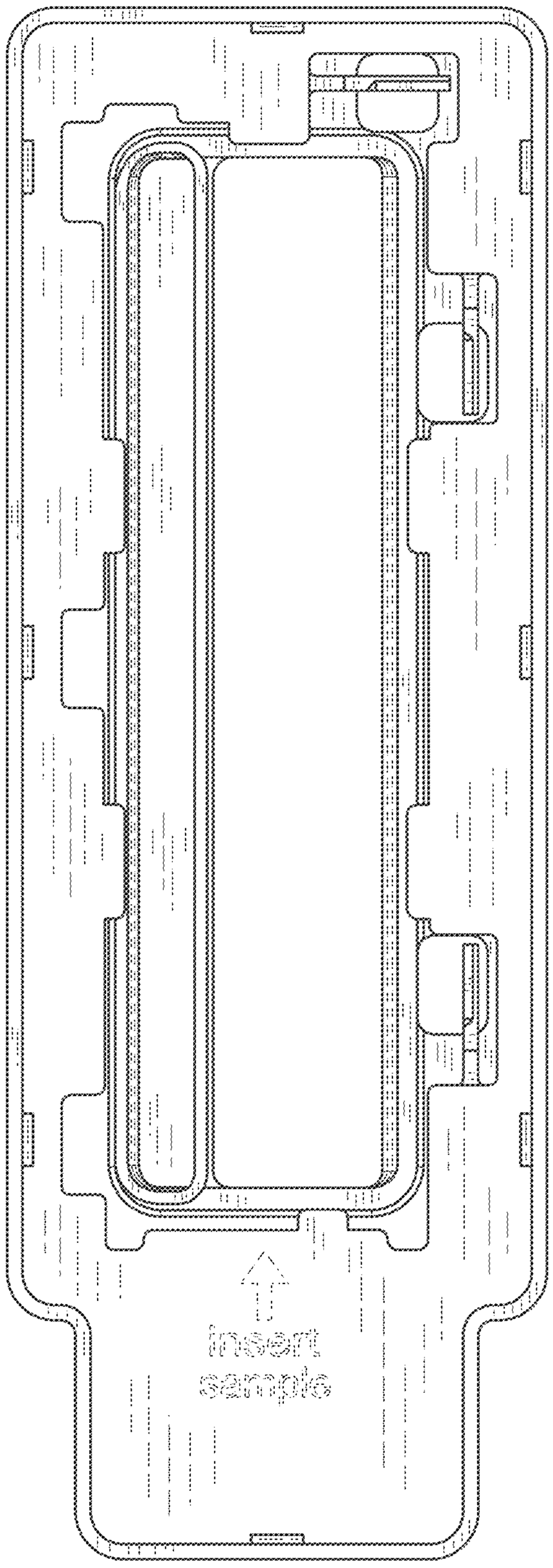


FIG.1

FIG.2

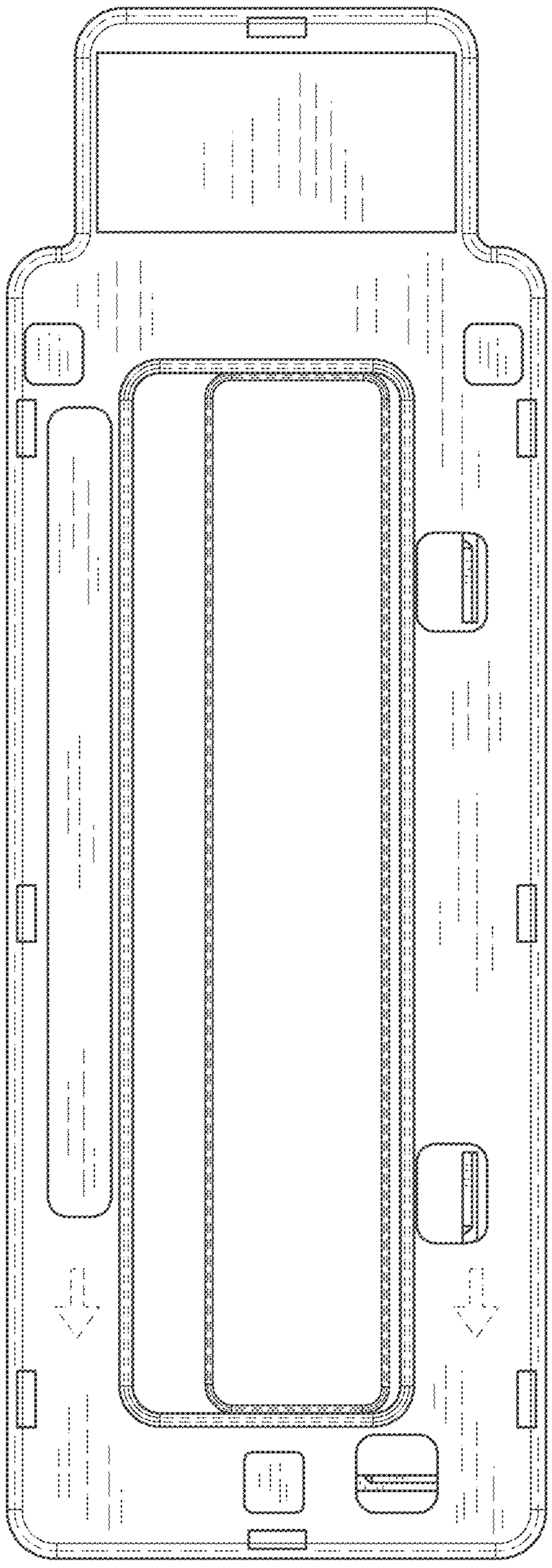


FIG.3

FIG.4

FIG.5

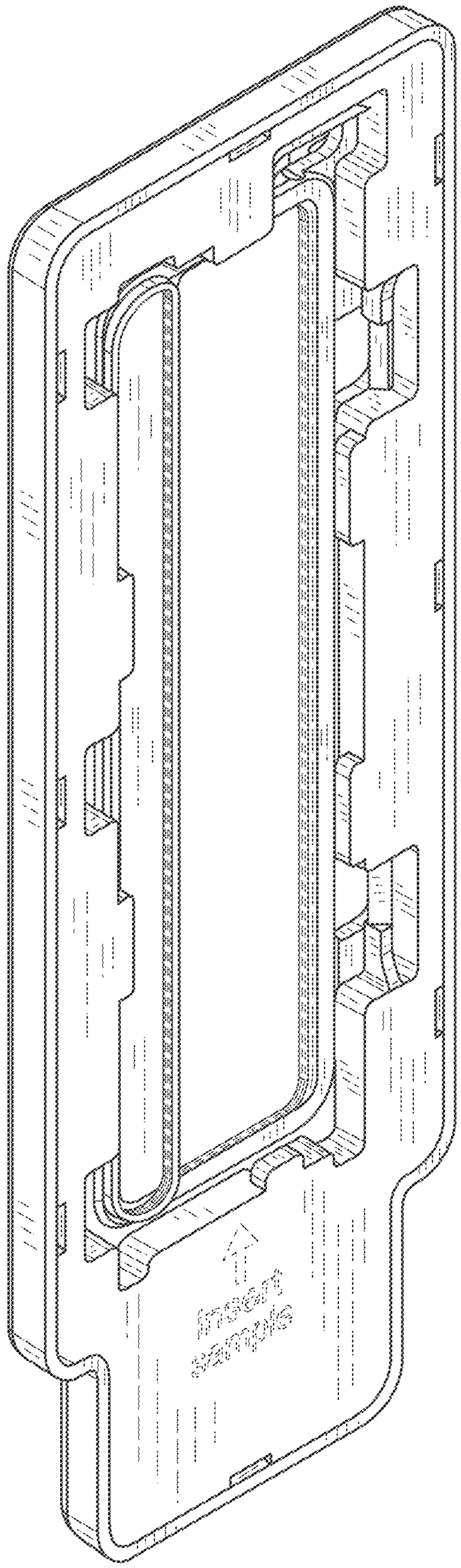


FIG.6

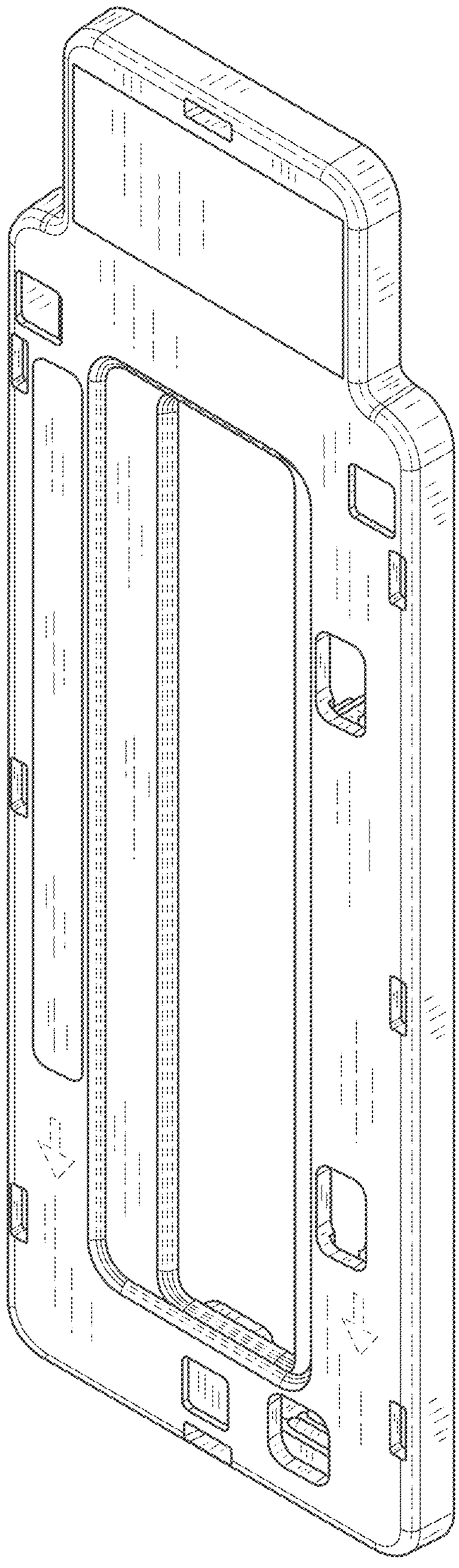


FIG.7