



US00D795724S

(12) **United States Design Patent** (10) **Patent No.:** **US D795,724 S**
Akiyama et al. (45) **Date of Patent:** **** Aug. 29, 2017**

(54) **MICRO FLOW CHANNEL CHIP FOR A FLOW CYTOMETER**

F04B 19/006; B01F 3/0446; B01F 13/0062; B05B 7/0475; B05B 7/061; B05B 7/065; B05B 7/066; B05B 7/0884

(71) Applicant: **Sony Corporation**, Tokyo (JP)

See application file for complete search history.

(72) Inventors: **Yuji Akiyama**, Tokyo (JP); **Shoji Akiyama**, Kanagawa (JP); **Gakuji Hashimoto**, Kanagawa (JP); **Hiroto Kasai**, Tokyo (JP); **Masaya Kakuta**, Tokyo (JP); **Takeshi Yamasaki**, Kanagawa (JP); **Tatsumi Ito**, Kanagawa (JP); **Masataka Shinoda**, Kanagawa (JP)

(56) **References Cited**

U.S. PATENT DOCUMENTS

8,158,082 B2 4/2012 Imran
D673,286 S 12/2012 Shinoda
D673,287 S 12/2012 Akiyama et al.
D770,315 S * 11/2016 Katsumoto D10/81
2005/0183496 A1 8/2005 Baek
2006/0147343 A1 7/2006 Teramoto
2008/0072895 A1 3/2008 Ganan-Calvo
2011/0235030 A1 9/2011 Champseix et al.

(Continued)

Primary Examiner — Antoine D Davis

(74) *Attorney, Agent, or Firm* — Michael Best and Friedrich LLP

(73) Assignee: **SONY CORPORATION**, Tokyo (JP)

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

(21) Appl. No.: **29/561,992**

(22) Filed: **Apr. 21, 2016**

Related U.S. Application Data

(63) Continuation of application No. 29/484,307, filed on Mar. 7, 2014, now Pat. No. Des. 757,580, which is a continuation of application No. 29/421,304, filed on Jun. 29, 2012, now Pat. No. Des. 704,580.

(57) **CLAIM**

The ornamental design for a micro flow channel chip for a flow cytometer, as shown and described.

(30) **Foreign Application Priority Data**

Mar. 8, 2012 (JP) D2012-005307
Mar. 8, 2012 (JP) D2012-005308
Mar. 8, 2012 (JP) D2012-005309
Mar. 8, 2012 (JP) D2012-005310

DESCRIPTION

FIG. 1 is a front elevational view of a micro flow channel chip for a flow cytometer showing our new design; FIG. 2 is a right side elevational view thereof, a left side elevational view being a mirror image; and FIG. 3 is a top plan view thereof, a bottom plan view being a mirror image; and, FIG. 4 is a partial perspective view thereof along the lines 4-4 and 4'-4' of FIG. 3.

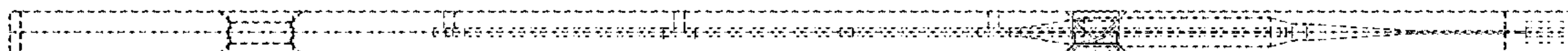
(51) **LOC (10) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/81; D10/94; D10/103**

The broken lines illustrate unclaimed portions of the micro flow channel chip for a flow cytometer and form no part of the claimed design.

(58) **Field of Classification Search**
USPC D10/81, 94, 103
CPC B01L 3/5027-3/50279; B01L 2200/027; B01L 2300/0829; B01L 2300/0861-2300/0883; B01J 19/0093;

1 Claim, 4 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2012/0276543 A1 11/2012 Quake et al.
2013/0090287 A1 4/2013 Alessi et al.

* cited by examiner

FIG.1

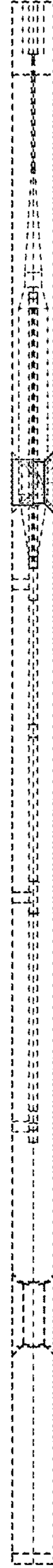


FIG.2

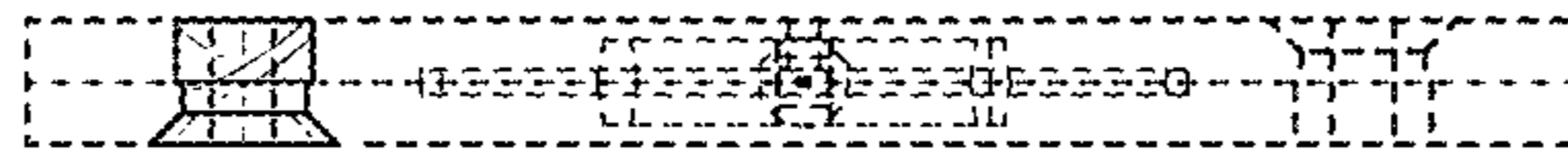


FIG.3

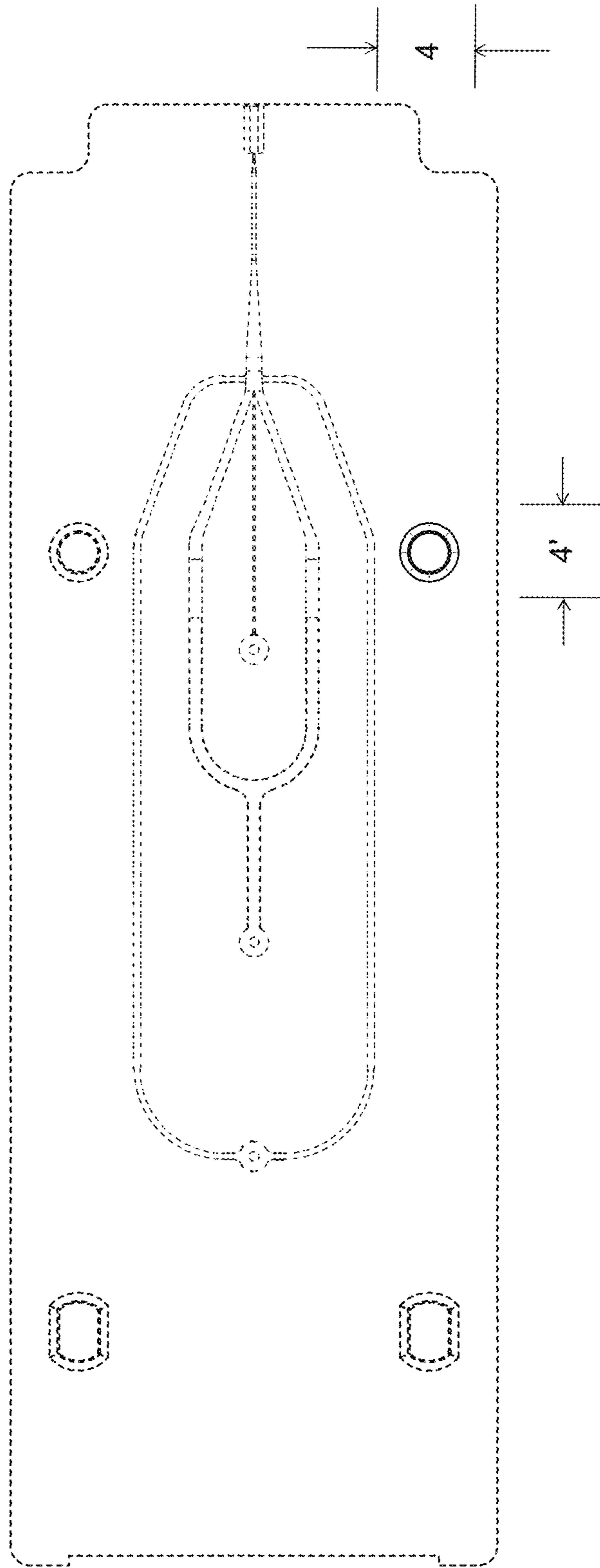


FIG.4

