



US00D780919S

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

(10) **Patent No.:** **US D780,919 S**

(45) **Date of Patent:** **\*\* Mar. 7, 2017**

- (54) **CELL COLLECTION DEVICE**
- (71) Applicant: **NIPRO CORPORATION**, Osaka-shi,  
Osaka (JP)
- (72) Inventors: **Norihisa Sasayama**, Osaka (JP); **Yui Hagiwara**, Osaka (JP); **Tomoe Morita**, Osaka (JP)
- (73) Assignee: **NIPRO CORPORATION**, Osaka (JP)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/530,823**
- (22) Filed: **Jun. 19, 2015**
- (51) **LOC (10) Cl.** ..... **24-02**
- (52) **U.S. Cl.**  
USPC ..... **D24/146**
- (58) **Field of Classification Search**  
USPC ..... D24/146, 147, 133, 216, 223; 600/564;  
606/167, 170, 142, 184, 205-208;  
604/1-3; D4/127, 128  
CPC ..... A61B 2017/320004; A61B 2017/320008;  
A61B 17/320016  
See application file for complete search history.

- D561,333 S \* 2/2008 Zwart ..... D24/119
- 7,540,844 B2 \* 6/2009 Muser ..... B01L 3/18  
600/570
- D639,564 S \* 6/2011 Kulik ..... D4/128
- D640,794 S \* 6/2011 Sunstrum ..... D24/216
- D656,609 S \* 3/2012 Perez ..... D24/119

(Continued)

**FOREIGN PATENT DOCUMENTS**

- JP 901835 S 6/1994
- JP 1060185 S 2/2000

(Continued)

*Primary Examiner* — Lakiya Rogers  
*Assistant Examiner* — Carissa C Fitts  
 (74) *Attorney, Agent, or Firm* — Brinks Gilson & Lione

(57) **CLAIM**

We claim the ornamental design for a cell collection device, as shown and described.

**DESCRIPTION**

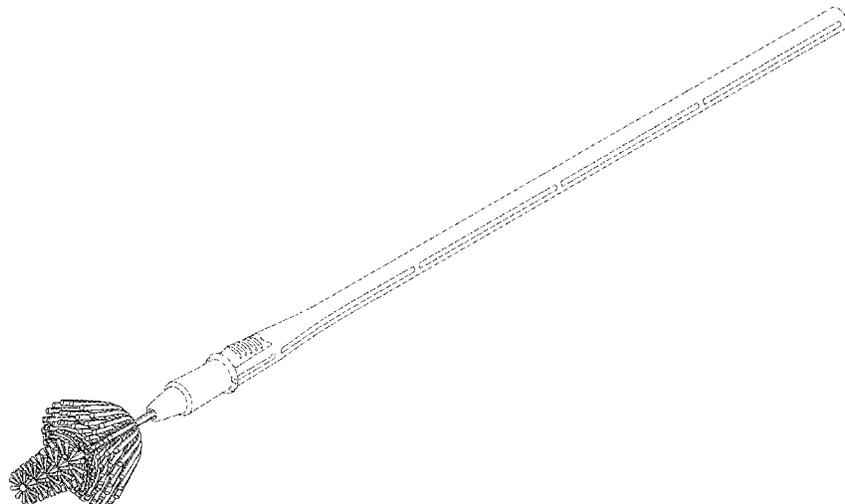
FIG. 1 is a front and top perspective view of a cell collection device of the present invention;  
 FIG. 2 is a top view thereof, the bottom view being a mirror image thereof;  
 FIG. 3 is a front view thereof;  
 FIG. 4 is a first side view thereof, the second side view being a mirror image thereof;  
 FIG. 5 is a rear view thereof;  
 FIG. 6 is an enlarged front and top perspective view of the forward portion thereof;  
 FIG. 7 is an enlarged top view of the forward portion thereof;  
 FIG. 8 is an enlarged front view thereof; and,  
 FIG. 9 is an enlarged rear view thereof.  
 The broken lines shown represent unclaimed subject matter and form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 2,767,703 A \* 10/1956 Nieburgs ..... A61B 10/04  
600/562
- D317,361 S \* 6/1991 Stormby ..... D24/141
- 5,092,345 A \* 3/1992 Sakita ..... A61B 10/04  
600/570
- D428,991 S \* 8/2000 Fourie ..... D24/146
- 6,258,044 B1 \* 7/2001 Lonky ..... A46B 3/18  
600/562
- D537,254 S \* 2/2007 Miles ..... D4/128
- 7,211,061 B1 \* 5/2007 Maxwell ..... A61M 31/00  
604/1



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

|              |      |         |             |       |              |         |
|--------------|------|---------|-------------|-------|--------------|---------|
| 8,241,236    | B2 * | 8/2012  | Yardley     | ..... | A61B 17/24   | 424/434 |
| D692,134     | S *  | 10/2013 | Lee-Sepsick | ..... | D24/146      |         |
| D708,442     | S *  | 7/2014  | Rutigliano  | ..... | D4/128       |         |
| D714,065     | S *  | 9/2014  | Chitayat    | ..... | D4/128       |         |
| D731,056     | S *  | 6/2015  | Tsai        | ..... | D24/146      |         |
| D745,968     | S *  | 12/2015 | Booth       | ..... | D24/152      |         |
| D750,382     | S *  | 3/2016  | Jacob       | ..... | D4/128       |         |
| 2004/0116827 | A1 * | 6/2004  | Tiberio     | ..... | A61B 10/0045 | 600/569 |
| 2007/0073186 | A1 * | 3/2007  | Decker      | ..... | A61B 10/0045 | 600/569 |
| 2009/0065018 | A1 * | 3/2009  | Berhault    | ..... | A45D 40/262  | 132/218 |

## FOREIGN PATENT DOCUMENTS

|    |           |   |         |
|----|-----------|---|---------|
| JP | 1060185-1 | S | 5/2000  |
| JP | 1107595   | S | 5/2001  |
| JP | 1188333   | S | 10/2003 |
| JP | 1188334   | S | 10/2003 |
| JP | 1319744   | S | 1/2008  |
| JP | 1441426   | S | 5/2012  |

\* cited by examiner

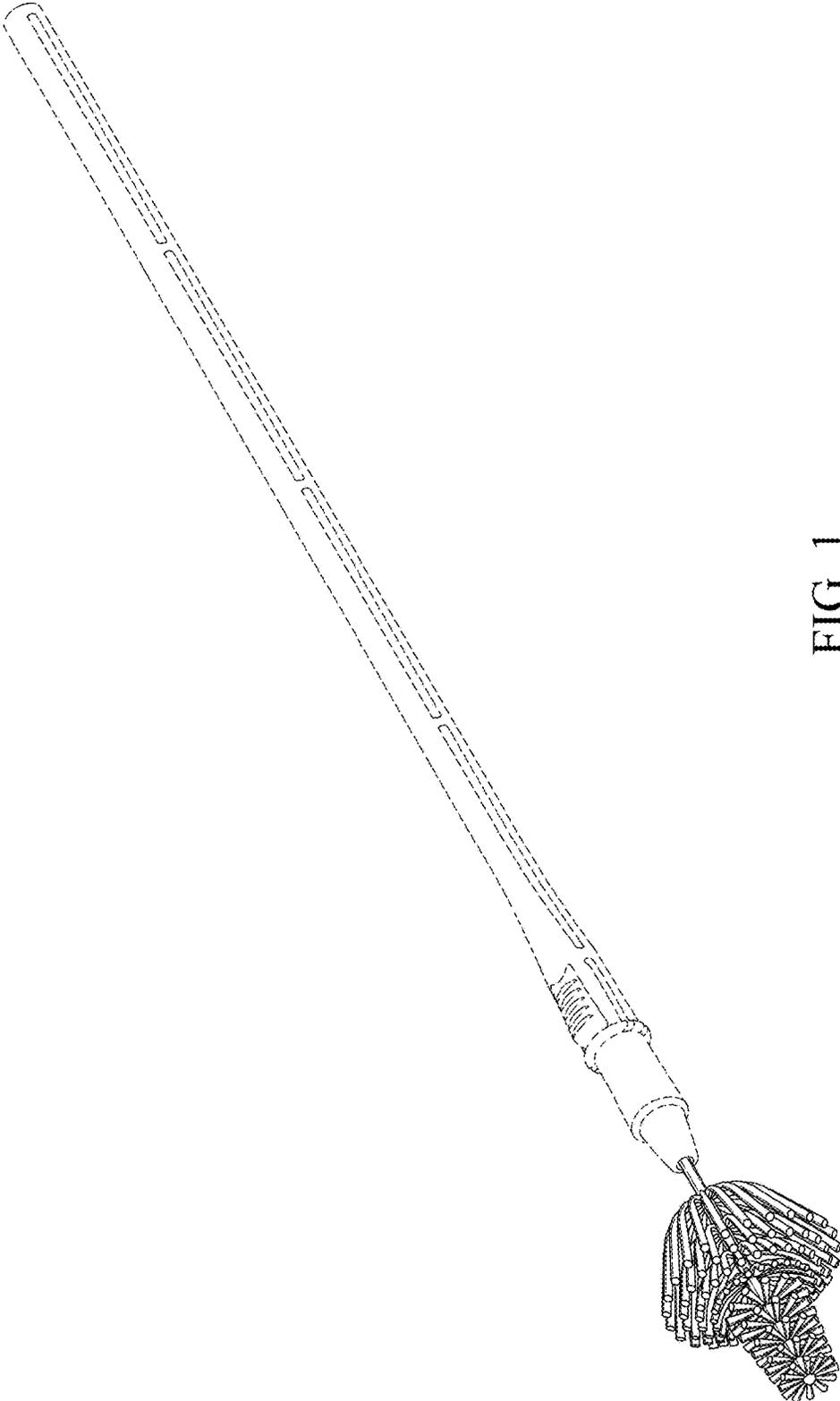


FIG. 1

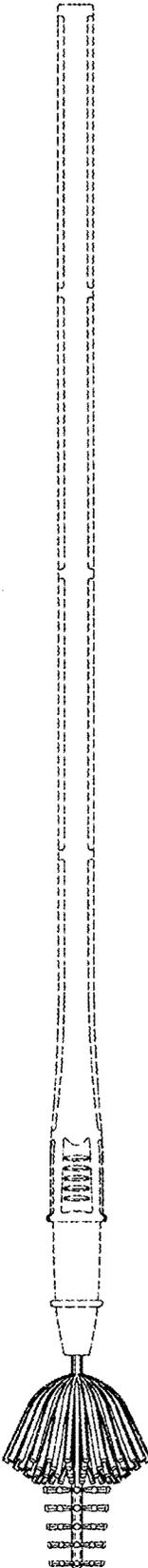


FIG. 2

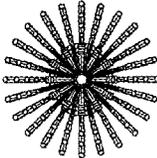


FIG. 3

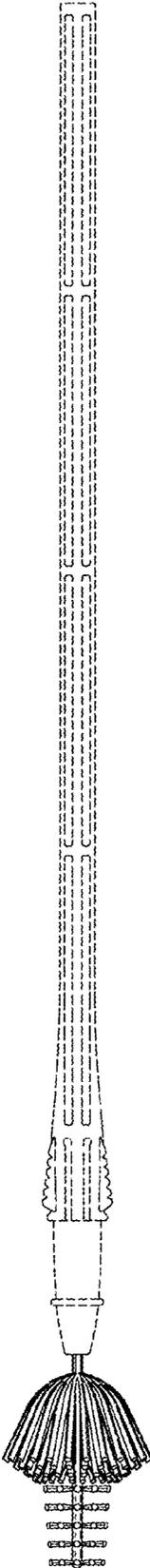


FIG. 4

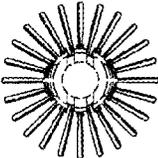


FIG. 5

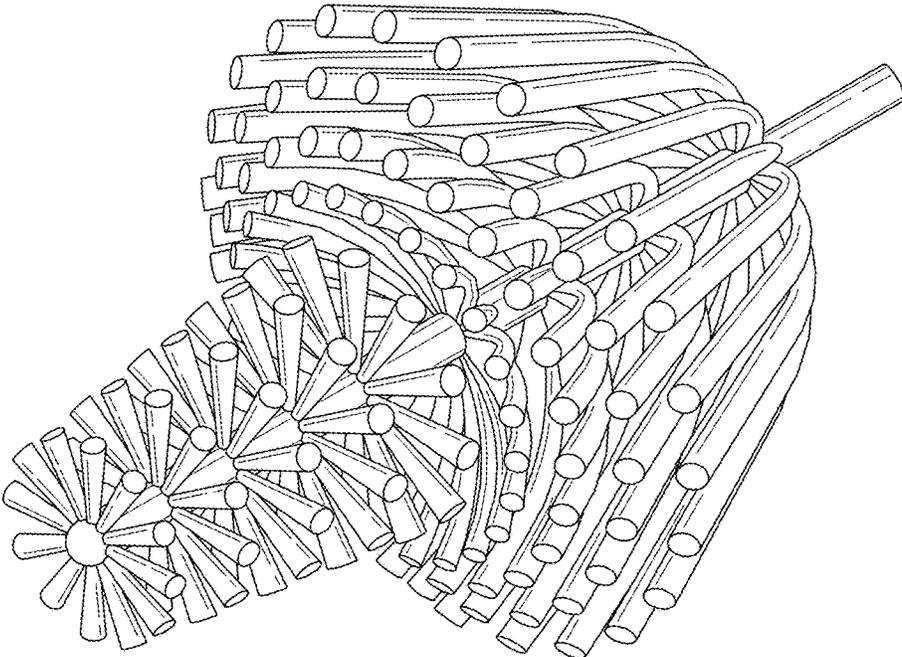


FIG. 6

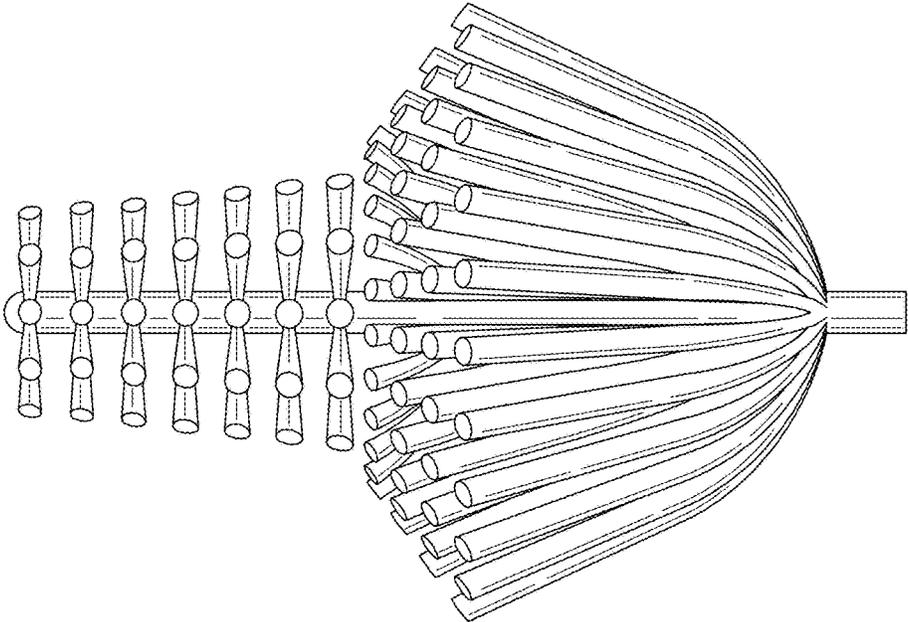


FIG. 7

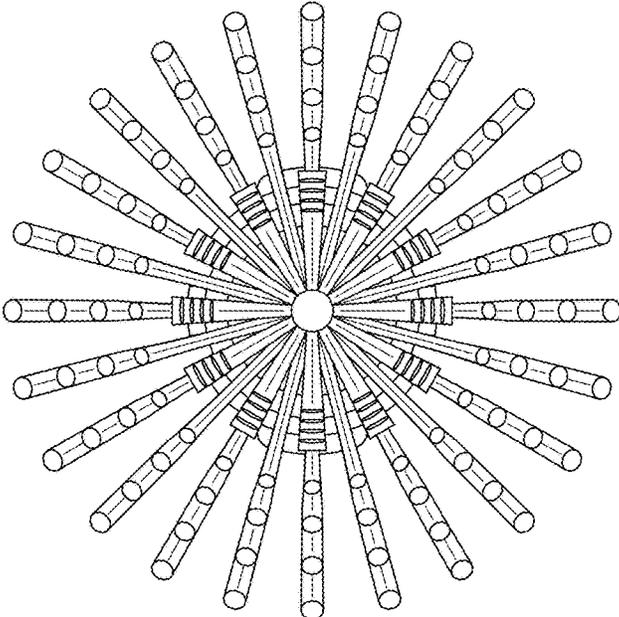


FIG. 8

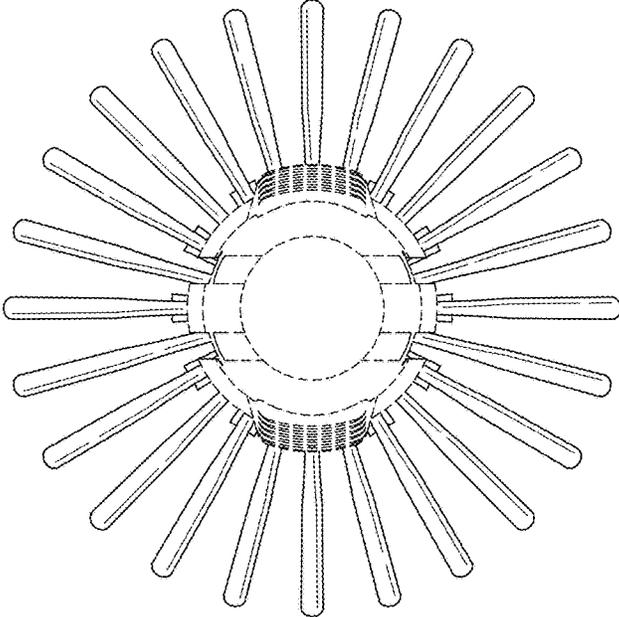


FIG. 9