



US00D714959S

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

(10) **Patent No.:** **US D714,959 S**

(45) **Date of Patent:** **\*\* Oct. 7, 2014**

(54) **BEAM DUMP ASSEMBLY**

(71) Applicant: **Nuclea Biotechnologies, Inc.**, Pittsfield, MA (US)

(72) Inventor: **Patrick J. Muraca**, Pittsfield, MA (US)

(73) Assignee: **Nuclea Biotechnologies, Inc.**, Pittsfield, MA (US)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/436,506**

(22) Filed: **Nov. 6, 2012**

(51) **LOC (10) Cl.** ..... **24-03**

(52) **U.S. Cl.**  
USPC ..... **D24/232**; D16/137

(58) **Field of Classification Search**  
USPC ..... D24/231-233; D16/130-131, 136;  
359/613-615; 250/396 R, 311;  
273/402; 219/121.6, 121.61; D21/302  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

5,631,767	A *	5/1997	Dodge et al.	359/328
6,792,017	B2 *	9/2004	Halpin	372/35
7,374,298	B2 *	5/2008	Gregoire	359/614
8,047,663	B2 *	11/2011	Pang et al.	359/614
8,324,590	B2 *	12/2012	Renfile et al.	250/396 R
2011/0075263	A1 *	3/2011	Lieberman et al.	359/614

**OTHER PUBLICATIONS**

Beam dumps. OptoSigma, 2014 [retrieved on May 8, 2014]. Retrieved from the Internet: <URL: <http://www.optosigma.com/products/opto-mechanics/optic-holders/beam-dumps>>.\*  
Laser Beam dump products. Ophir-Spiricon, 2010 [retrieved on May 8, 2014]. Retrieved from the Internet: <URL: [http://www.electrooptics.com/products/product\\_details.php?product\\_id=1697](http://www.electrooptics.com/products/product_details.php?product_id=1697)>.\*

\* cited by examiner

*Primary Examiner* — Wan Laymon

(74) *Attorney, Agent, or Firm* — DT Ward PC; Donna T. Ward; Lingyun Jia

(57) **CLAIM**

The ornamental design for a beam dump assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of the beam dump assembly.  
FIG. 2 is a back view of the beam dump assembly.  
FIG. 3 is a left side view of the beam dump assembly.  
FIG. 4 is a right side view of the beam dump assembly.  
FIG. 5 is a top view of the beam dump assembly.  
FIG. 6 is a bottom view of the beam dump assembly; and,  
FIG. 7 is a cross-section view of the beam dump assembly taken along line 7-7 of FIG. 3.

**1 Claim, 4 Drawing Sheets**

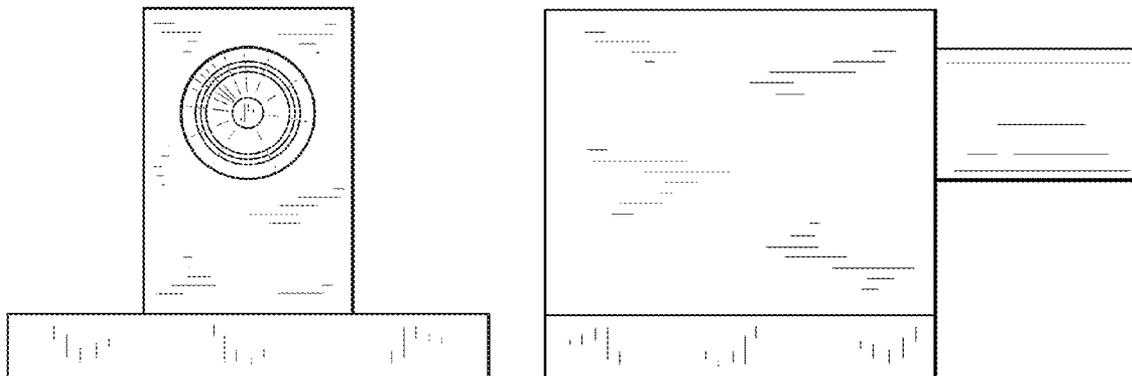


FIG. 1

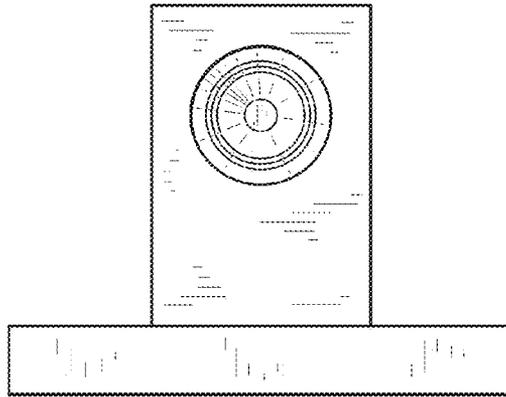


FIG. 2

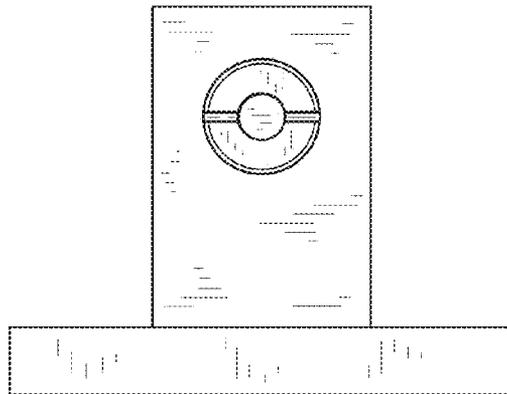


FIG. 3

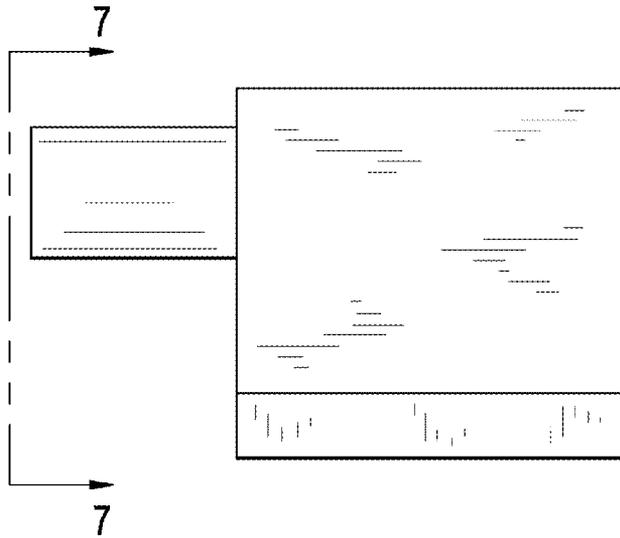


FIG. 4

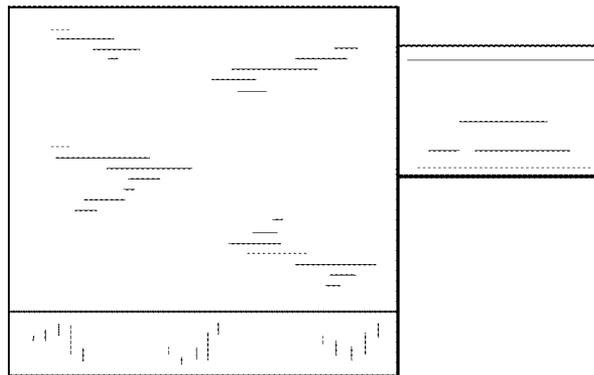


FIG. 5

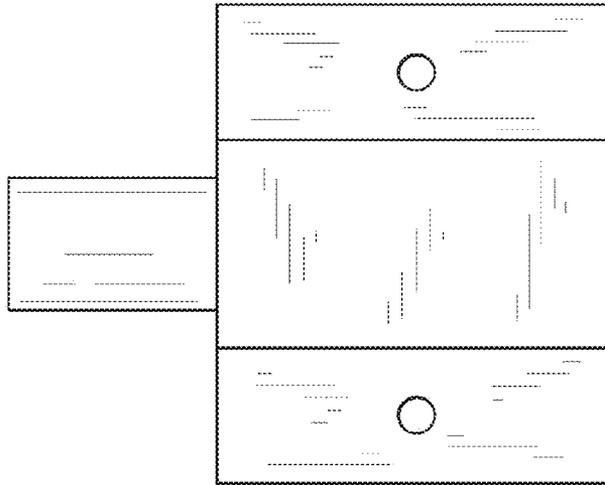


FIG. 6

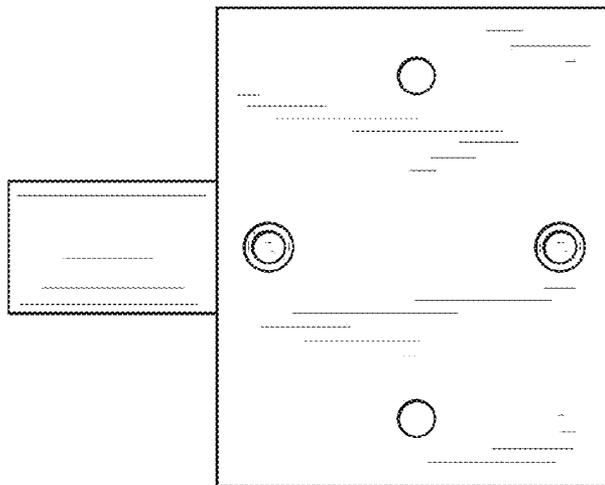


FIG. 7

