US00D718412S

(12) United States Design Patent

Flournoy et al.

(10) Patent No.: US D718,412 S
(45) Date of Patent: ** Nov. 25, 2014

(54) **MEDIA FOR SUPPORTING GROWTH BIOLOGY WITHIN A WASTEWATER TREATING SYSTEM**

(71) Applicants: **Wayne J. Flournoy**, Chapel Hill, NC (US); **Richard L. Pehrson**, Limerick, PA (US)

(72) Inventors: **Wayne J. Flournoy**, Chapel Hill, NC (US); **Richard L. Pehrson**, Limerick, PA (US)

(73) Assignee: **Entex Technologies, Inc.**, Chapel Hill, NC (US)

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

(21) Appl. No.: **29/438,760**

(22) Filed: **Dec. 3, 2012**

Related U.S. Application Data

(60) Division of application No. 29/363,301, filed on Jun. 8, 2010, now Pat. No. Des. 672,009, and a continuation-in-part of application No. 29/346,510, filed on Nov. 2, 2009, now Pat. No. Des. 618,760, and a continuation-in-part of application No. 29/321,003, filed on Jul. 9, 2008, now abandoned, and a continuation of application No. 11/552,778, filed on Oct. 25, 2006, now abandoned.

(51) **LOC (10) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/207**

(58) **Field of Classification Search**
USPC D23/207, 269, 209; 210/614, 616, 150
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D353,438	S *	12/1994	Yuksel	D23/207
D354,544	S *	1/1995	Erwes	D23/207
5,690,819	A *	11/1997	Chianh	210/150
6,524,849	B1 *	2/2003	Adams et al.	435/299.1
7,189,323	B2 *	3/2007	Lofqvist et al.	210/615
D618,760	S	6/2010	Flournoy et al.	D23/207
D672,009	S	12/2012	Flournoy et al.	D23/207

* cited by examiner

Primary Examiner — Robin V Webster
(74) *Attorney, Agent, or Firm* — MacCord Mason PLLC

(57) **CLAIM**

The ornamental design for an media for supporting growth biology within a wastewater treating system, as shown and described.

DESCRIPTION

FIG. **1** is a diagram illustrating a cross-sectional view of an elliptical media for supporting growth biology within a biological reactor wherein the plane of the cross-sectional view is substantially perpendicular to the longitudinal axis and the view is substantially perpendicular to the plane of the cross-sectional view and substantially along the longitudinal axis of the media;

FIG. **2** is a diagram illustrating the left side view of the media of FIG. **1**, the right side view of the media being a mirror image;

FIG. **3** is a diagram illustrating an isometric view of the media of FIG. **1**;

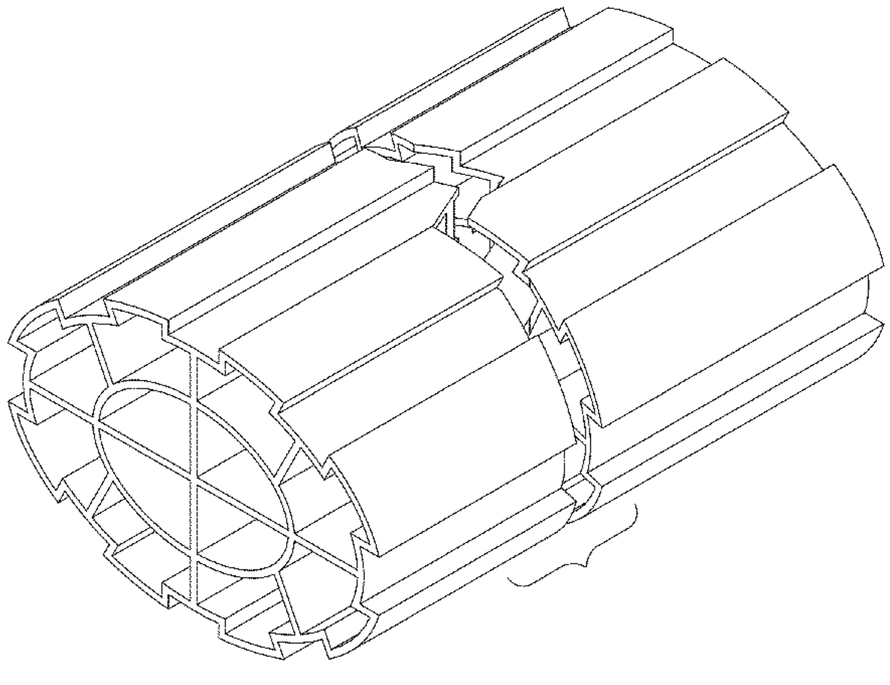
FIG. **4** is a diagram illustrating a cross-sectional view of an elliptical media for supporting growth biology within a biological reactor wherein the plane of the cross-sectional view is substantially perpendicular to the longitudinal axis and the view is substantially perpendicular to the plane of the cross-sectional view and substantially along the longitudinal axis of the media;

FIG. **5** is a diagram illustrating the left side view of the media of FIG. **4**, the right side view of the media being a mirror image; and,

FIG. **6** is a diagram illustrating an isometric view of the media of FIG. **4**.

The broken lines shown in FIGS. **4-6** are included for the purpose of illustrating those portions of the surface of the claimed media design where surface features form no part of the claimed media design and represent only the environment of the claimed media design. None of the broken lines forms a part of the claimed media.

1 Claim, 6 Drawing Sheets



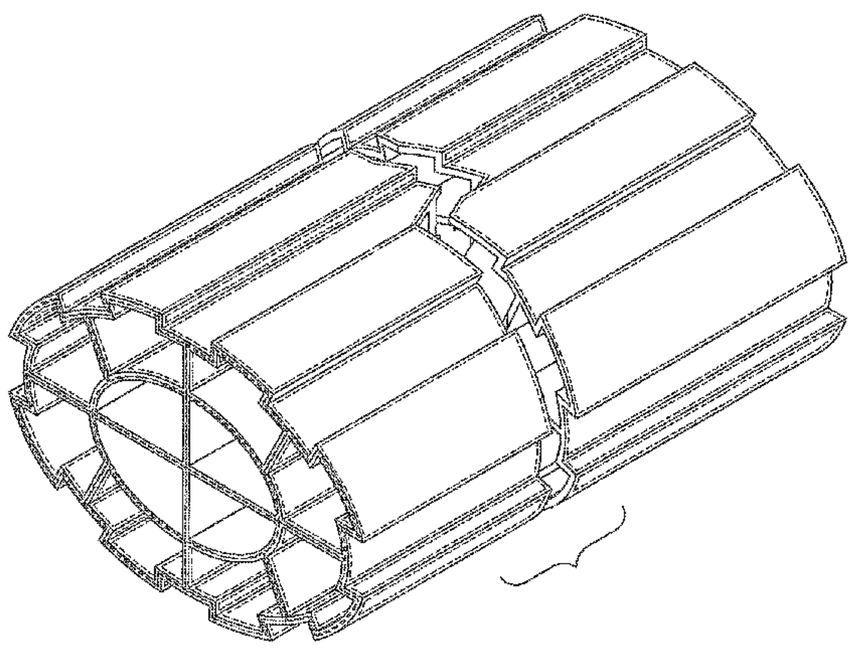


Figure 1

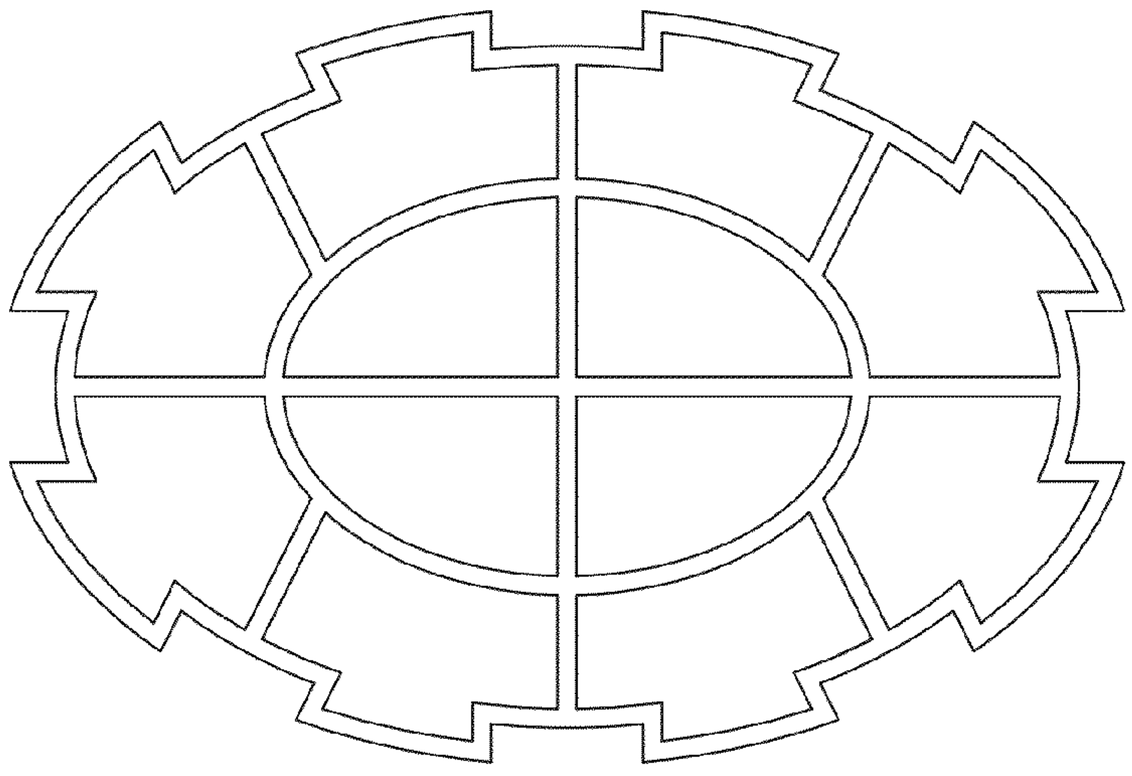


Figure 2

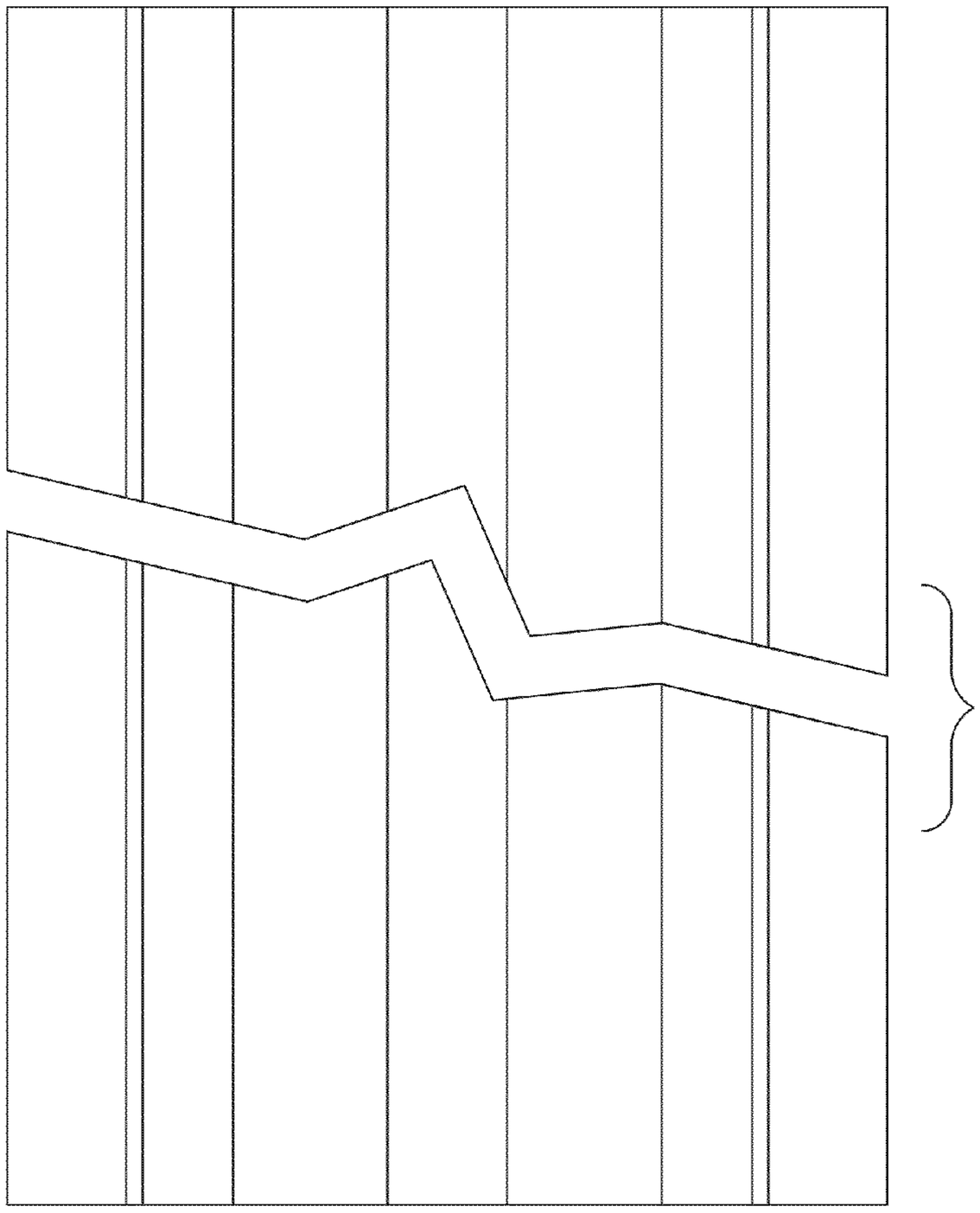


Figure 3

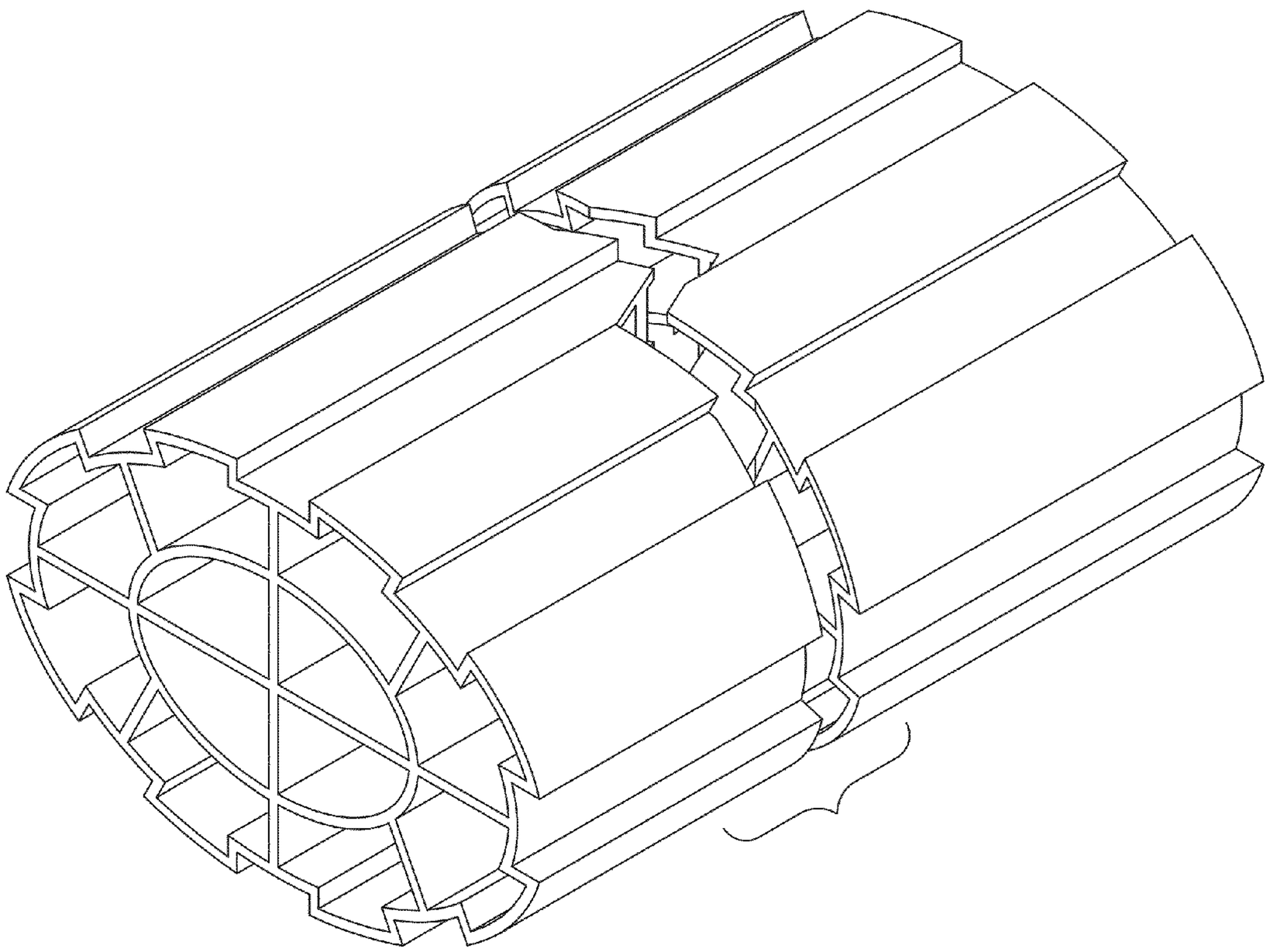


Figure 4

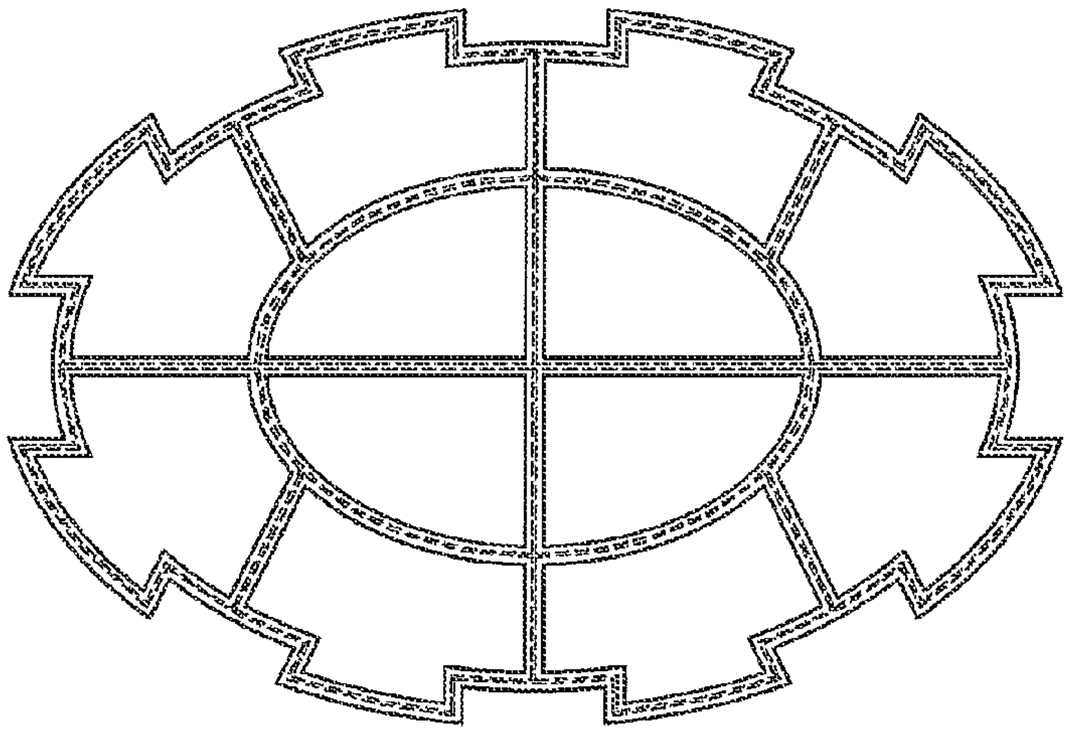


Figure 5

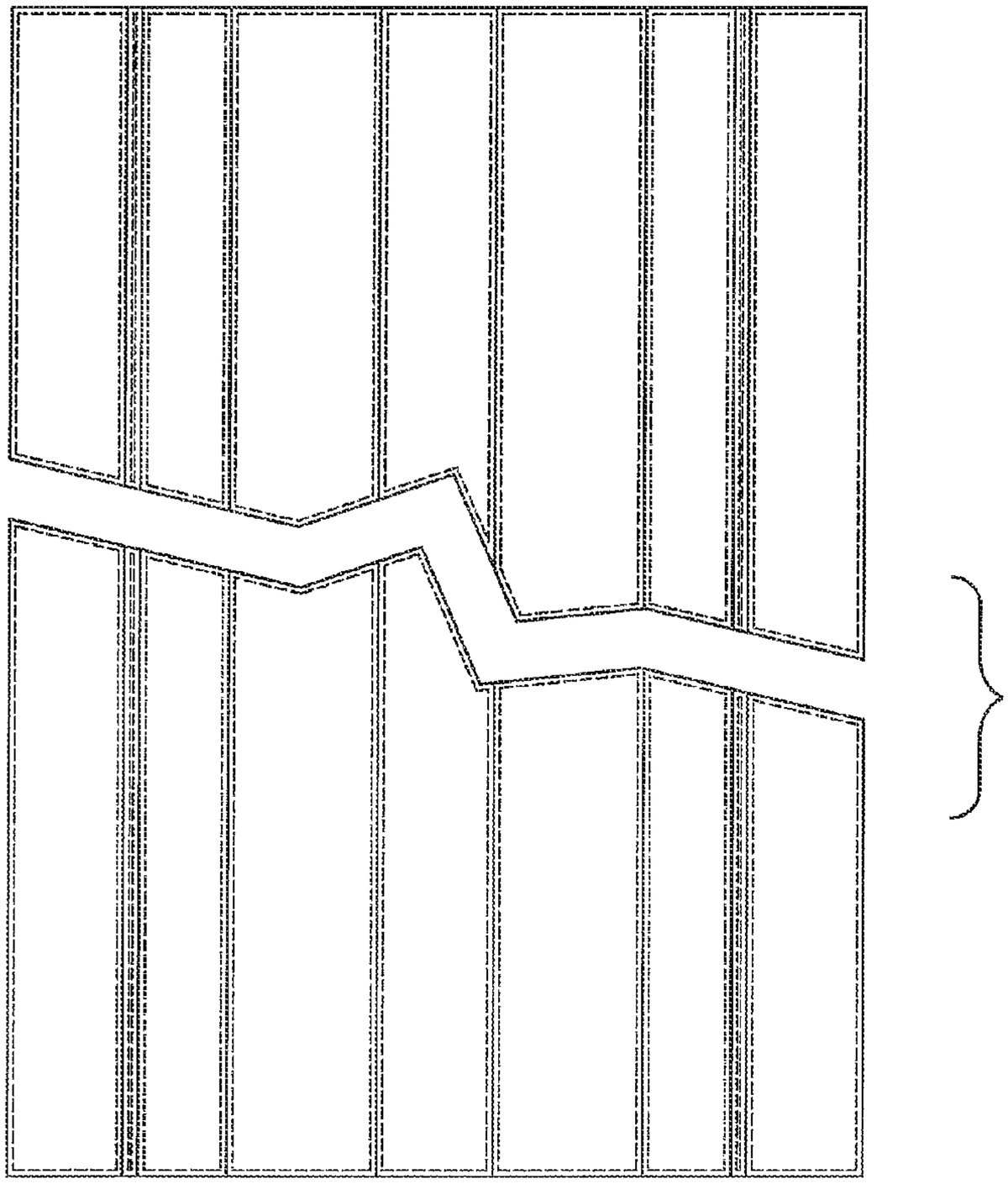


Figure 6