Innovation, Sciences et Développement économique Canada
Office de la Propriété Intellectuelle du Canada

Innovation, Science and Economic Development Canada
Canadian Intellectual Property Office

CA 2991663 A1 2019/07/05

(21) 2 991 663

(12) DEMANDE DE BREVET CANADIEN
CANADIAN PATENT APPLICATION

(13) A1

(22) Date de dépôt/Filing Date: 2018/01/11

(41) Mise à la disp. pub./Open to Public Insp.: 2019/07/05

(30) Priorité/Priority: 2018/01/05 (US15863682)

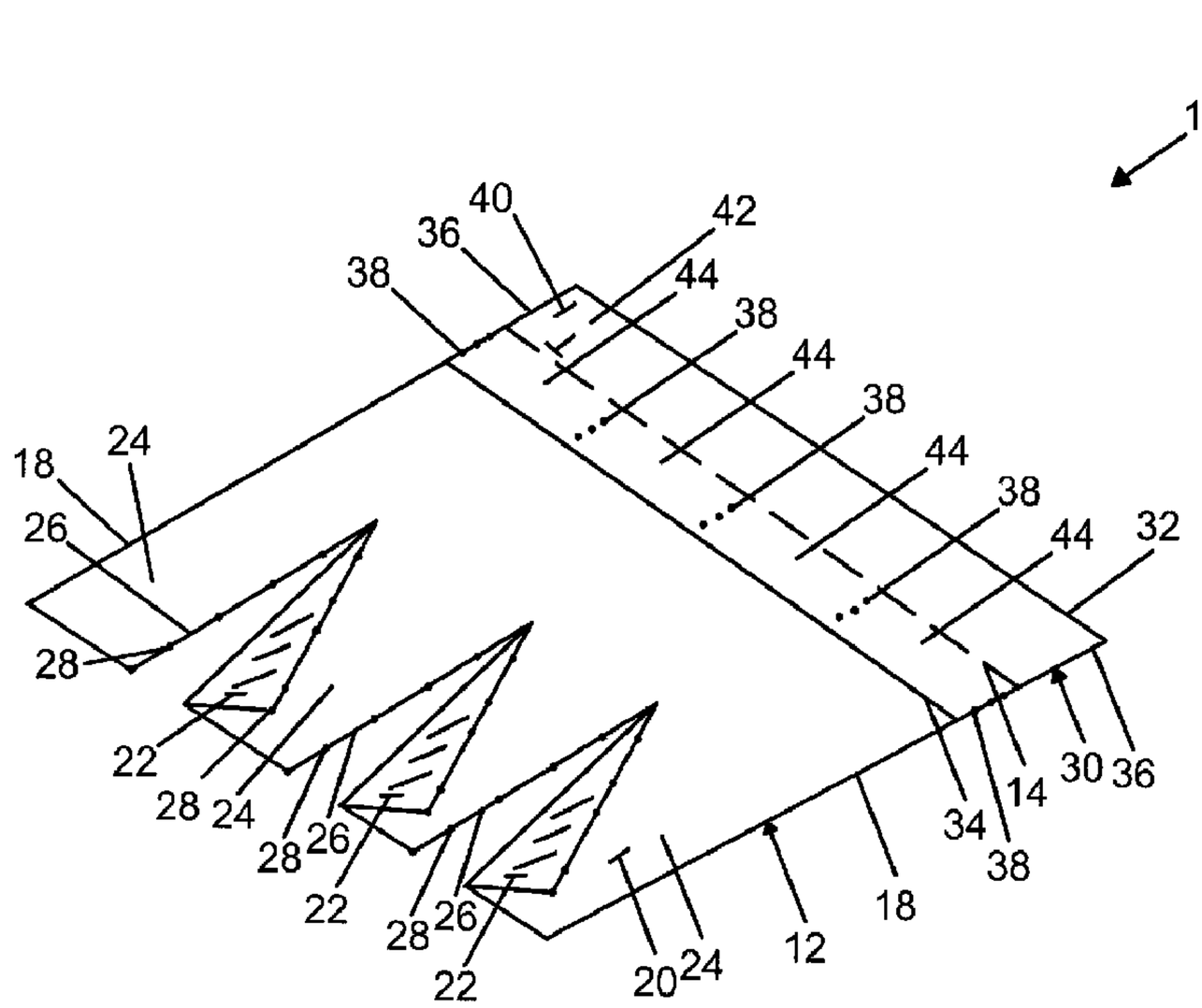
(51) Cl.Int./Int.Cl. *A47G 9/02* (2006.01)

(71) Demandeur/Applicant:
ROPCHAN, RICHARD, CA

(72) Inventeur/Inventor:
ROPCHAN, RICHARD, CA...

(74) Agent: OKIMAW, RICHARD D.

(54) Titre : COUVRE-LIT A PANNEAU FENDU
(54) Title: SPLIT PANEL BED COVER



(57) Abrégé/Abstract:
A adjustable bed cover having a bed panel and an adjustable panel. The bed panel is generally rectangular and having vent panels proximate a bottom edge. The adjustable panel is generally rectangular configuration and mates with the bed panel proximate the

CA 2991663 A1 2019/07/05

(21) 2 991 663

(13) A1

(57) Abrégé(suite)/Abstract(continued):
bed panels top edge forming a plurality of arm openings between the two panels. The adjustable bed cover providing ability to adjust the bed panel to regulate temperature, provide desired body coverage and provide desired freedom of movement.

SPLIT PANEL BED COVER

ABSTRACT

A adjustable bed cover having a bed panel and an adjustable panel. The bed panel is generally rectangular and having vent panels proximate a bottom edge. The adjustable panel is generally rectangular configuration and mates with the bed panel proximate the bed panels top edge forming a plurality of arm openings between the two panels. The adjustable bed cover providing ability to adjust the bed panel to regulate temperature, provide desired body coverage and provide desired freedom of movement.

SPLIT PANEL BED COVER

REFERENCE TO PENDING APPLICATIONS

[001] This application does not claim the benefit of any issued U.S. Patent or pending application.

BACKGROUND OF THE INVENTION

Field of the Invention

[002] The present invention generally relates to bed coverings, and in particular to an adjustable bed covering to provide the ability to regulate body temperature, ability to provide desired body coverage and to provide the desired freedom of movement.

Background

[003] Bed coverings are typically used to provide warmth and comfort to a person using a bed. These coverings can include, but are not limited to, blankets, quilts and duvets. However, the prior art coverings can provide an uncomfortable temperature level, especially around a person's lower torso and legs. Discomfort can arise while an individual sleeps due to these uncomfortable temperature levels. Existing bed coverings do not provide for the ability to adjust the covering of the lower torso and legs to regulate the desired temperature.

[004] Additionally, existing coverings do not allow for the freedom of movement of the arms while maintaining coverage and warmth of the shoulders. This prevents a person from conducting activities such as reading books while maintaining a desired coverage over the remainder of the person's body.

[005] Additionally, these coverings can be restrictive. They do not allow for a freedom of movement of the legs and arms. Accordingly, there is a need for an improved bed covering.

BRIEF SUMMARY OF THE INVENTION

[006] The inventive concept is generally directed toward bed coverings, and more specifically toward an adjustable bed covering.

[007] In one aspect, a bed cover having a bed panel is disclosed. The bed panel is generally rectangular and a plurality of vent panels proximate a bottom edge of the bed panel. These vent panels provide the ability to adjust the bed panel to regulate temperature and provide desired freedom of movement of the lower torso and legs.

[008] In another aspect, a bed cover having an adjustable panel is disclosed. The adjustable panel is generally rectangular configuration and mates with the bed panel proximate the bed panels top edge forming a plurality of arm openings between the two panels. The adjustable bed cover provides the ability to provide desired body coverage and warmth, and provides desired freedom of movement of the arms.

[009] In another aspect, a bed cover having a bed panel and an adjustable panel is disclosed. In this aspect, the bed panel and adjustable panel discussed above are combine.

[0010] Other aspects and features of the present invention will become apparent to those ordinarily skilled in the art upon review of the following description of specific embodiments of the invention in conjunction with the accompanying figures.

BRIEF DESCRIPTION OF THE DRAWINGS

[0011] In drawings which illustrate embodiments of the invention wherein similar characters of reference denote corresponding parts in each view,

[0012] FIG. 1 is a perspective side view of an embodiment of the present invention.

[0013] FIG. 2 is a top view of an embodiment of the present invention.

[0014] FIG. 3 is a top view of an embodiment of the bed panel of the present invention.

[0015] FIG. 4 is a top view of an additional embodiment of the bed panel of the present invention.

[0016] FIG. 5 is a top view of an embodiment of the adjustment panel of the present invention.

[0017] FIG. 6 is an exploded side view of an embodiment of the present invention.

[0018] FIG. 7 is an exploded side view of an additional embodiment of the present invention.

DETAILED DESCRIPTION FO THE INVENTION

[0019] As illustrated in FIGS. 1 to 3, an embodiment of a bed cover 10 is illustrated. Cover 10 includes a bed panel 12 and an adjustable panel 30. Bed cover 10 may be any type of covering used to provide warmth and comfort to a person using a bed, including but not limited to a quilt, blanket and a duvet. Bed cover 10 may be constructed of all materials accepted by the industry.

[0020] Bed panel 12 has a bed panel upper side 20 and a bed panel lower side 22. Bed panel 12 further includes a bed panel top edge 14, a bed panel bottom edge 16 which is opposite bed panel top edge 14 and two opposing bed panel side edges 18.

[0021] A plurality of vent edges 26 extend from bed panel bottom edge into the interior of bed panel 12. The plurality of vent edges 26 create a plurality of vent panels 24 along the bottom

portion of bed panel 12. The plurality of vent panel fasteners 28 are located along the vent edges 26 and provide for the release ability of the plurality of vent panels 24.

[0022] In operation, a person may open one or more of the vent panels by disconnecting vent panel fasteners 28. This allows the person to have the ability to adjust and regulate the person's body temperature by uncovering and/or covering the person's lower torso and legs. Further this allows the person to have a more controlled freedom of movement within the bed panel 12.

[0023] In some embodiments, the plurality of vent edges 26 may extend approximately the same distance into the interior of bed panel 12, and may extend in a generally parallel direction relative to that panel side edges 18.

[0024] In some embodiments vent panel fasteners may be any type of conventional fastening means such as but not limited to buttons, snaps, hook and mesh fasteners, and zippers.

[0025] In some embodiments, vent edges 26 extend up to and including bed panel bottom edge 16. This allows for each vent panel 24 to have a flap like configuration as shown in FIG. 3. In some embodiments, vent edges 26 extend up to but not including panel bottom edge 16. In this embodiment, vent panels 24 are unitary with bed panel with panel 12, as shown in FIG. 4.

[0026] As shown in FIG. 5, an embodiment of adjustable panel 30 is disclosed. Adjustable panel 30 has an adjustable panel upper side 40 and an adjustable panel lower side 42. Adjustable panel 30 further includes an adjustable panel top edge 32, an adjustable panel bottom edge 34 which is opposite adjustable panel top edge 32, and two opposing adjustable panel side edges 36.

[0027] A plurality of adjustment fasteners 38 adjustably secure adjustment panel 30 with bed panel 12. In one embodiment of adjustment fasteners 38, each fastener 38 includes an adjustable panel portion 48 and a bed panel portion 46. These portions mate with each other to releasably secure bed panel 12 with adjustable panel 30. Adjustment fasteners 38 may be any conventional

securing fastener. In one embodiment adjustment fasteners 38 may be snaps as shown in figure 6. And in another embodiment fasteners 38 may be hook and mesh fasteners as shown in figure 7. The inclusion of these fasteners is meant to be illustrative and not meant to be limiting.

[0028] As shown in the figures once adjustment panel 30 has been secured to bed panel 12 a plurality of arm openings 44 is created. This allows a person to extend their arms through the openings allowing the arms to have access outside of the bed cover while maintaining body coverage over the upper body region including the shoulders of the person. This allows for a constant coverage of the shoulders and upper torso in an effort to reduce any discomfort associated with the ambient temperature. Further, this allows for a person to have a freedom of movement by the arms for non-sleep-related activities such as reading a book or using an electronic device while also providing coverage and warmth of the shoulder/upper torso area.

[0029] In another embodiment, adjustment panel 30 can be utilized independent from bed panel 12. Separate adjustment panel 30 may be adjustably attached to an existing blanket, duvet cover, or other cover. This allows adjustment panel 30 to be used with existing covers to provide freedom of movement while providing coverage of the shoulder/upper torso area.

[0030] In another embodiment, two bed covers 10 can be utilized to create a sleeve for use with existing duvets. In this embodiment, the two bed covers 10 may be joined to form the duvet cover. The vent edges of each bed cover are aligned in order to create aligned vent panels.

[0031] While preferred embodiments of the present inventive concept have been shown and disclosed herein, it will be obvious to those persons skilled in the art that such embodiments are presented by way of example only, and not as a limitation to the scope of the inventive concept. Variations, changes, and substitutions may occur or be suggested to those skilled in the art without departing from the intent, scope, and totality of this inventive concept. Such variations,

changes, and substitutions may involve other features which are already known per se and which may be used instead of, in combination with, or in addition to features already disclosed herein. Accordingly, it is intended that this inventive concept be inclusive of such variations, changes, and substitutions, and by no means limited by the scope of the claims presented herein.

IN THE CLAIMS

I claim:

1. A bed cover comprising:

a bed panel having generally rectangular configuration, the bed panel having

a bed panel upper side,

a bed panel lower side,

a bed panel top edge,

a bed panel bottom edge that is opposing the bed panel top edge, and

two opposing bed panel side edges;

a plurality of vent edges,

each of the plurality of vent edges extending from the bed panel bottom edge into the interior of the bed panel forming a plurality of vent panels,

each of the plurality of vent panels having a vent panel fastener for releasably joining the vent panels,

thereby providing ability to adjust the bed panel to regulate temperature and provide desired freedom of movement.

2. The bed cover of claim 1, wherein each of the plurality vent edges extend approximately between one quarter and three quarters the length of the bed panel side edges.

3. The bed cover of claim 1, wherein each of the plurality of vent edges extend approximately the same distance into the interior of the bed panel.

4. The bed cover of claim 1, wherein each of the plurality of vent edges are generally parallel to the bed panel side edges

5. The bed cover of claim 1, wherein each of the vent panel fasteners are buttons built into interior edges of each of the plurality of vent panels.

6. The bed cover of claim 1, wherein each of the vent panel fasteners are hook and mesh closures built into interior edges of each of the plurality of vent panels.

7. The bed cover of claim 1, wherein each of the plurality of vent edges extend up to and include the bed panel bottom edge.

8. The bed cover of claim 1, wherein each of the plurality of vent edges extend proximate to but not to include the bed panel bottom edge.

9. The bed cover of claim 1, further comprising:

an adjustable panel having a generally rectangular configuration, the adjustable panel having

an adjustable panel upper side,

an adjustable panel lower side,

an adjustable panel top edge,

an adjustable panel bottom edge that is opposing the adjustable panel top edge,

and two opposing adjustable panel side edges; and

a plurality of adjustment fasteners that adjustably secure bed panel with the adjustable panel, each of the plurality of adjustment fasteners having an adjustable panel lower side portion located on the adjustable panel lower side and a bed panel upper side portion located on the bed panel upper side, wherein each of the adjustable panel lower side portions mate with a reciprocal bed panel upper side portion for releasably joining the bed panel with the adjustable panel and forming a plurality of arm openings between the panels,

thereby providing ability to adjust the adjustable panel to provide desired body coverage and provide desired freedom of movement.

10. The bed cover of claim 9, wherein the length between the adjustable panel side edges is the same length as the length between the bed panel side edges.

11. The bed cover of claim 10 wherein a first portion of the plurality of adjustment fasteners extend along the bed panel side edges and adjustment side edges proximate the bed panel top edge and the adjustment panel bottom edge.

12. The bed cover of claim 11, wherein the first portion of the plurality of adjustment fasteners extend approximately between one quarter and three quarters the length of the adjustment panel side edges.

13. The bed cover of claim 10 wherein a second portion of the plurality of adjustment fasteners extend into the interior of the bed panel and adjustment panel from the bed panel top edge and adjustment panel lower edge.

14. The bed cover of claim 10, wherein second portion of the plurality of adjustment fasteners are generally parallel to the adjustment panel side edges.

15. The bed cover of claim 10, wherein the second portion of the plurality of adjustment panel fasteners extend between one quarter and three quarters the length of the adjustment panel side edges.

16. An adjustable bed cover of claim 1 comprising:

an adjustable panel having a generally rectangular configuration, the adjustable panel having

an adjustable panel upper side,

an adjustable panel lower side,

an adjustable panel top edge,

an adjustable panel bottom edge that is opposing the adjustable panel top edge,

and two opposing adjustable panel side edges; and

a plurality of adjustment panel fasteners located on the adjustable panel lower side, the plurality of adjustment panel fasteners mate with a bed panel forming a plurality of arm openings between the panels,

thereby providing ability to adjust the adjustable panel to provide desired body coverage and provide desired freedom of movement.

17. A bed cover comprising:

a first bed panel having generally rectangular configuration, the bed panel having

a first bed panel upper side,

a first bed panel lower side,

a first bed panel top edge,

a first big panel bottom edge that is opposing the bed panel top edge, and

two first opposing bed panel side edges;

at least one first vent edge extending from the first bed panel bottom edge into the interior of the first bed panel forming a plurality of first vent panels, each of the plurality of first vent panels having a first vent panel fastener for releasably joining the first vent panels,

a second bed panel having generally rectangular configuration, the bed panel having

a second bed panel upper side,

a second bed panel lower side,

a second bed panel top edge,

a second big panel bottom edge that is opposing the bed panel top edge, and

two second opposing bed panel side edges;

at least one second vent edge extending from the second bed panel bottom edge into the interior of the second bed panel forming a plurality of second vent panels, each of the plurality of second vent panels having a second vent panel fastener for releasably joining the second vent panels,

wherein the first bed panel lower side being positioned adjacent to the second bed panel upper side forming a duvet cover, wherein the at least one first vent edge aligned with the at least one second vent edges,

thereby providing ability to adjust the duvet coverl to regulate temperature and provide desired freedom of movement.

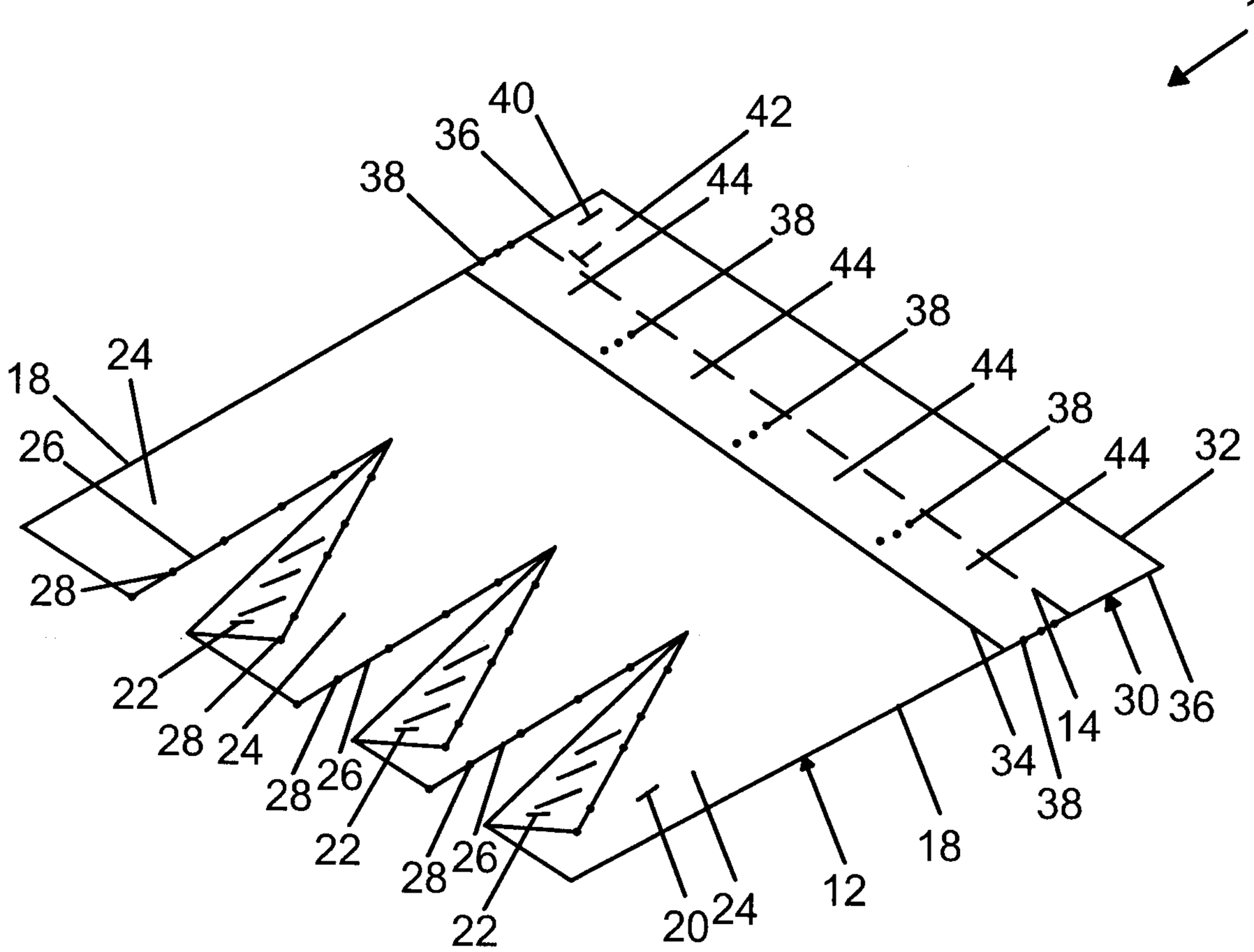

40
36
38
42
44
38
44
38
44
38
44
32
18
24
26
28
22
28
24
28
26
22
28
26
22
20
24
12
18
34
38
14
30
36

FIG. 1

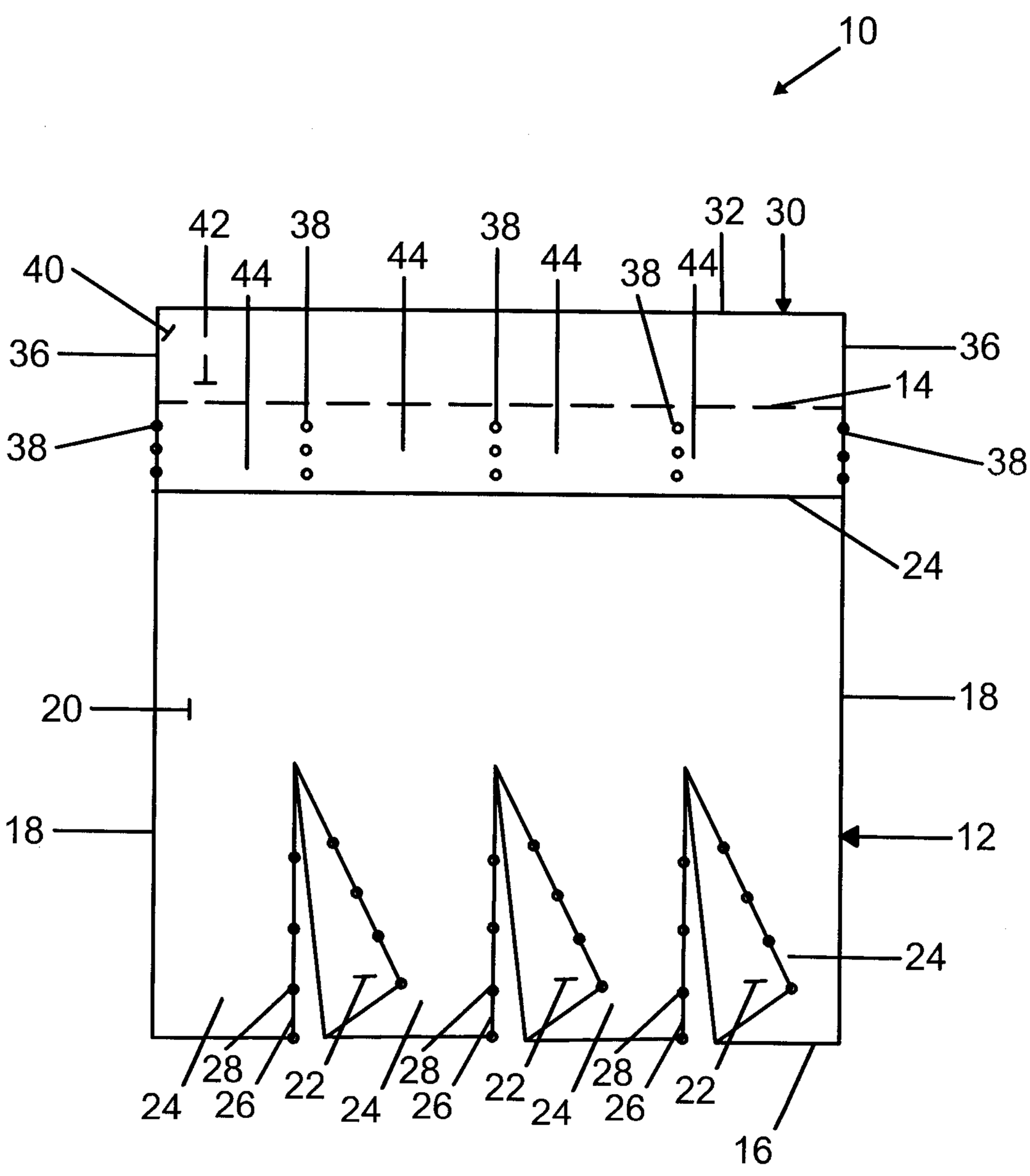

10
42
38
44
38
44
38
44
32
30
40
36
36
14
38
38
24
20
18
18
12
24
28
26
22
24
28
26
22
24
28
26
22
16

FIG. 2

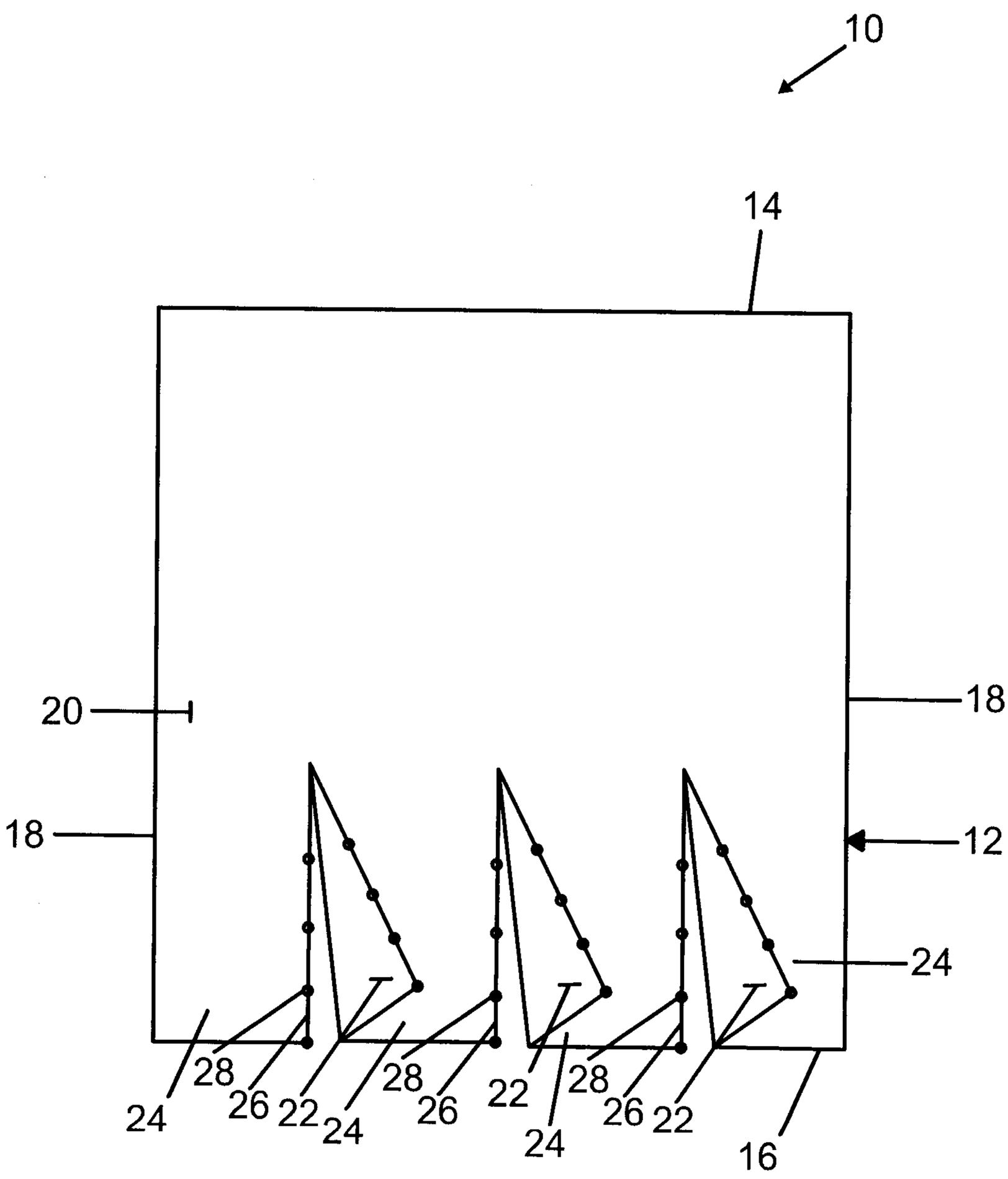


FIG. 3

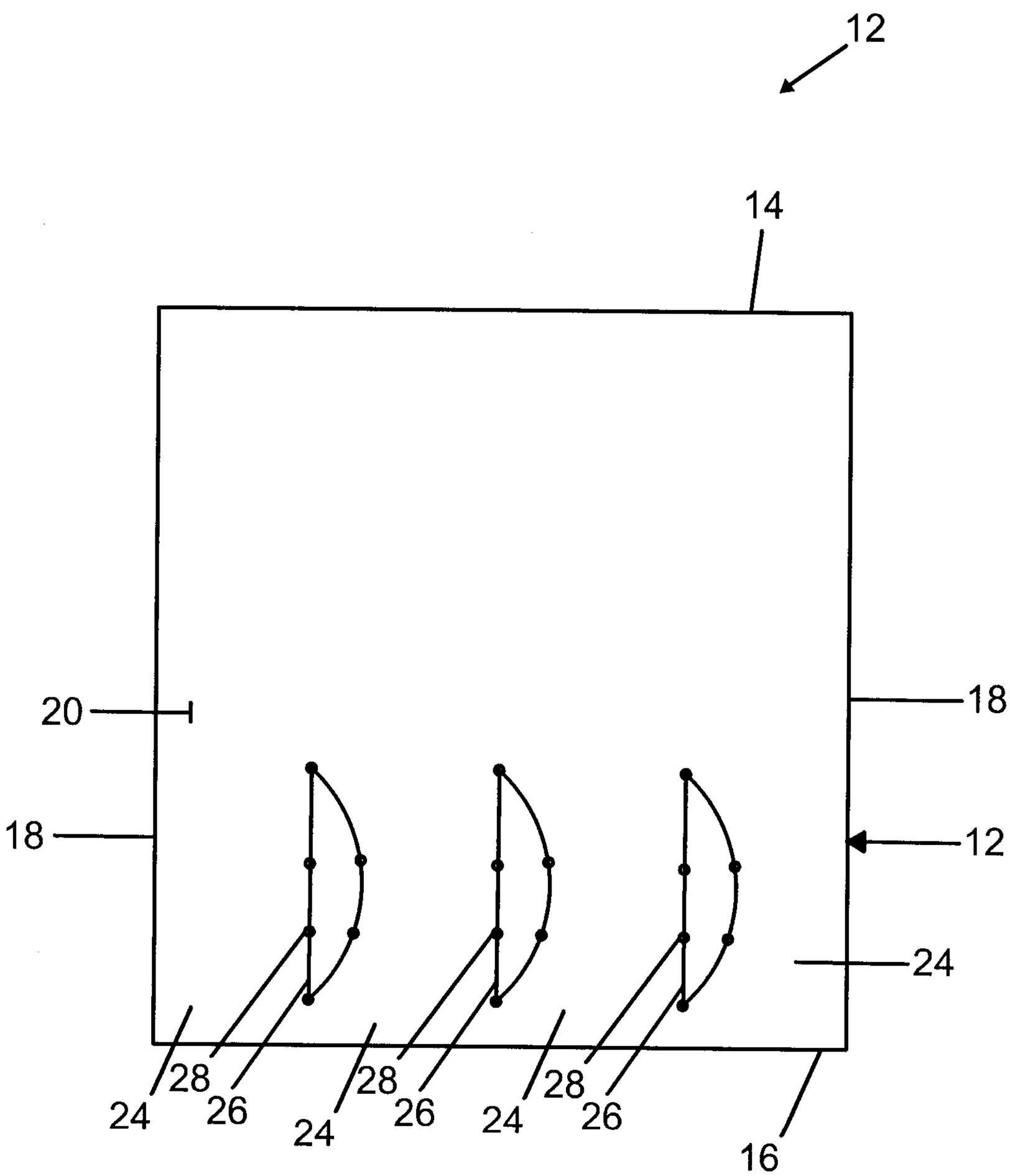


FIG. 4

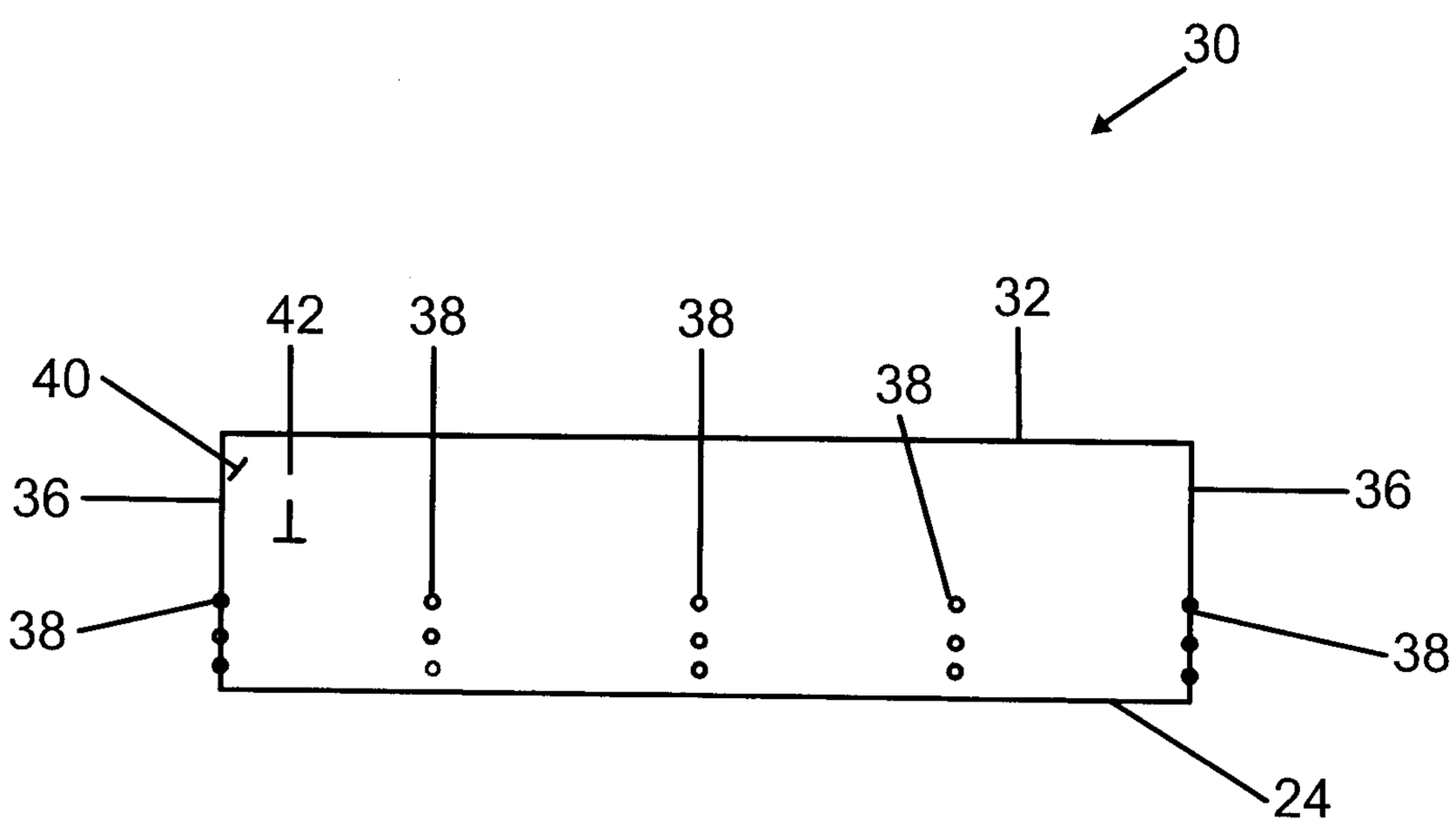


FIG. 5

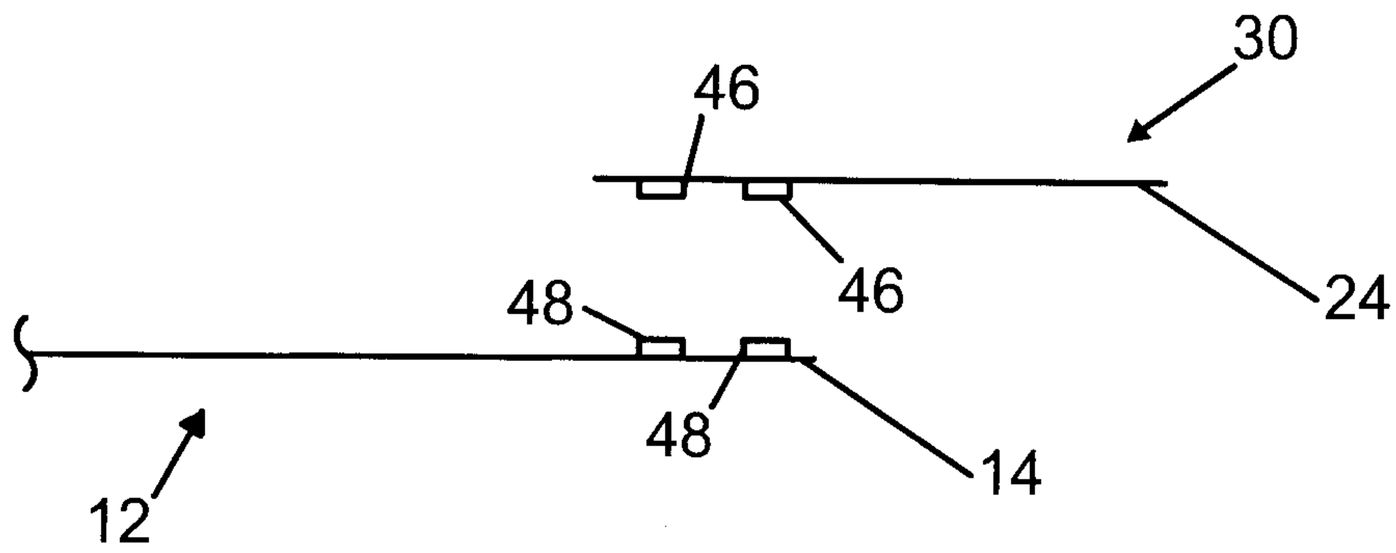


FIG. 6

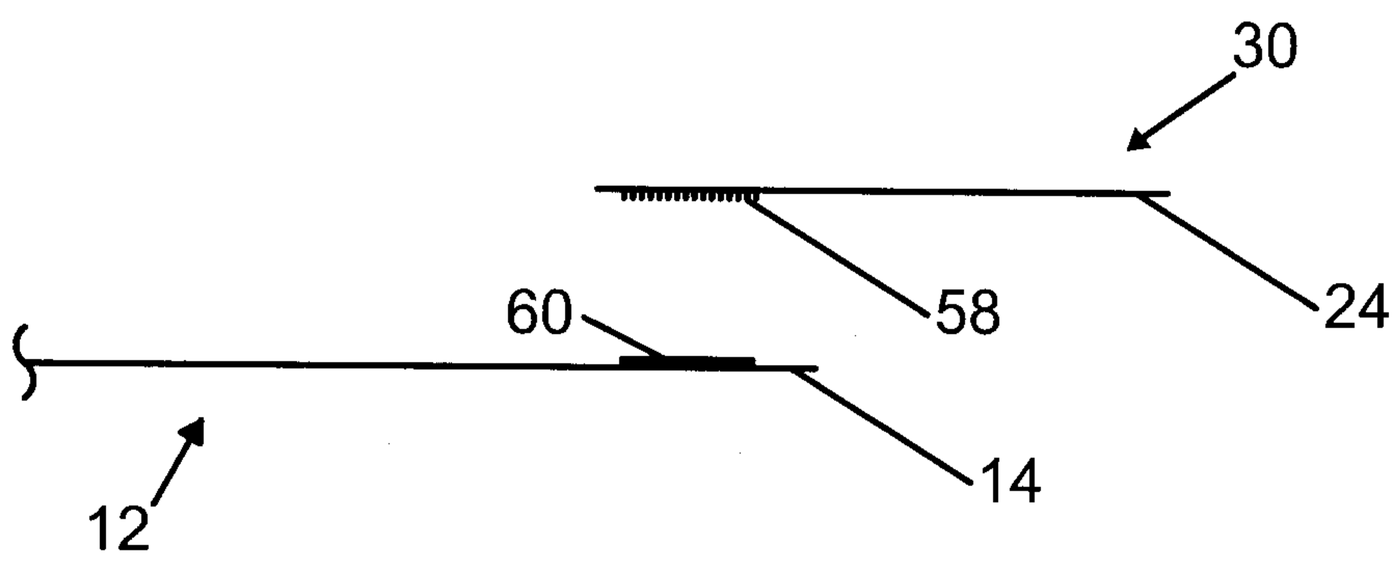
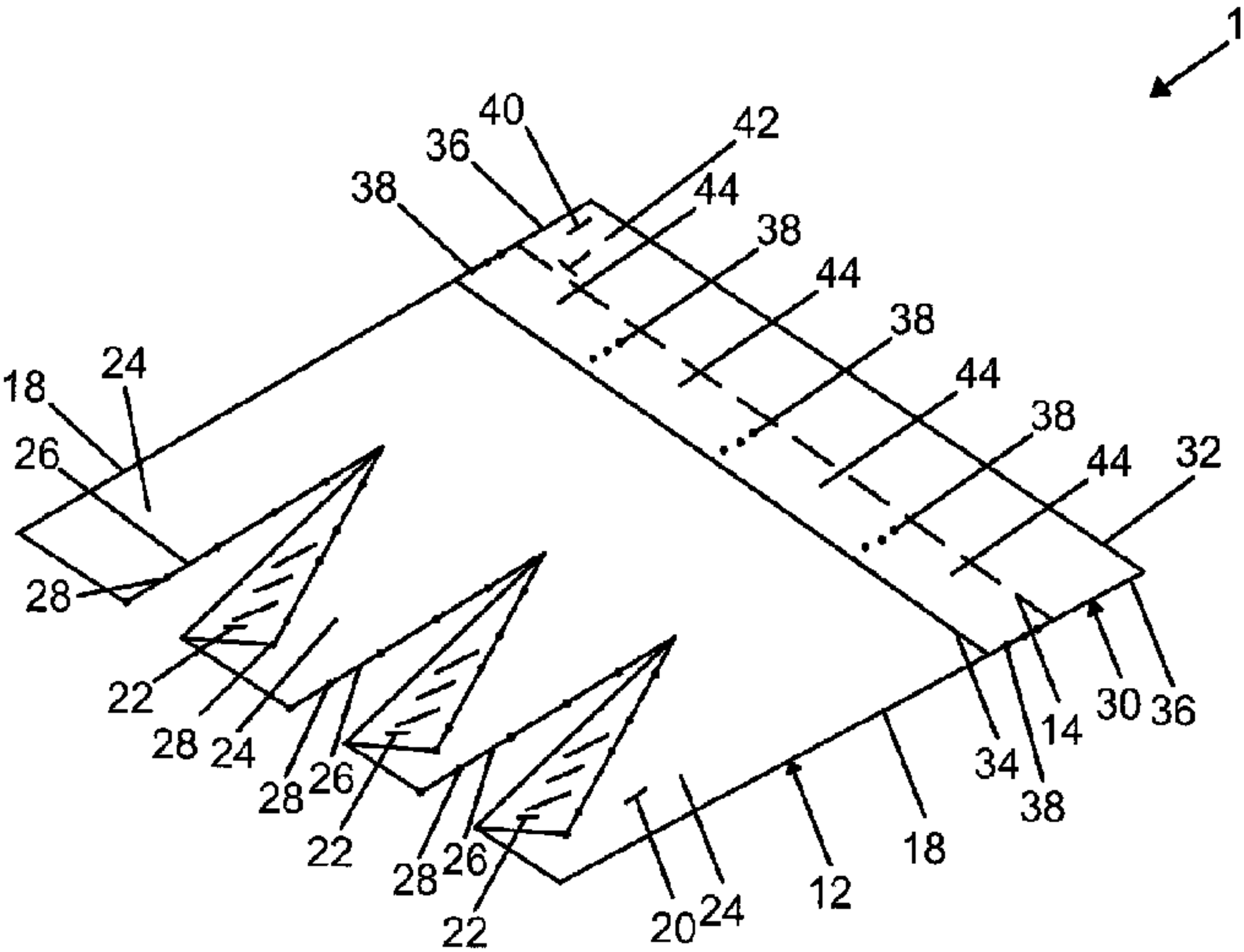


FIG. 7


10
40
36
38
42
44
38
44
38
44
38
44
32
18
24
26
28
22
28
24
28
26
22
28
26
22
20
24
12
18
34
38
14
30
36