



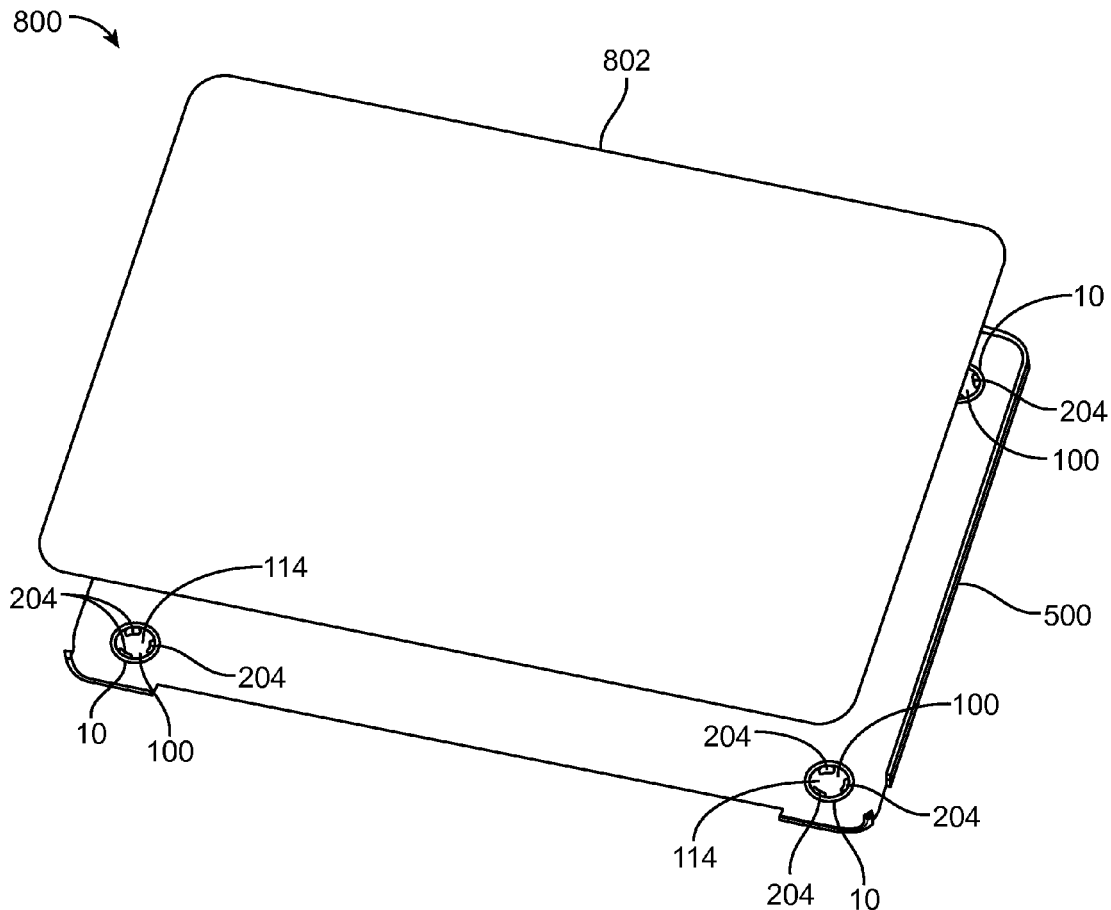
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(19) **United States**(12) **Patent Application Publication**
Chiang(10) **Pub. No.: US 2017/0035165 A1**(43) **Pub. Date: Feb. 9, 2017**(54) **PAD FOR PROTECTIVE COVER**(52) **U.S. Cl.**CPC *A45C 11/00* (2013.01); *A45F 5/00* (2013.01)(71) Applicant: **AEVOE INTERNATIONAL LTD.**,
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ABSTRACT(72) Inventor: **Huai Shun Chiang**, New Taipei City
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Tortola (VG)(21) Appl. No.: **14/819,130**(22) Filed: **Aug. 5, 2015****Publication Classification**(51) **Int. Cl.***A45C 11/00* (2006.01)*A45F 5/00* (2006.01)

A pad is provided that includes a support portion and a head portion. The support portion includes a base portion having at least one aperture formed therein, a ring extending around a surface of the base portion and bridges the at least one aperture, and an outer rim that radially extends outward from the base portion. The head portion has a first side including at least one protrusion that corresponds to the apertures of the support portion and a second side having a rounded convex surface. The at least one protrusion extends through the corresponding aperture and encompasses a portion of the ring bridging the aperture, thereby coupling the head portion with the support portion. When coupled, the ring separates the support portion and the head portion thereby forming a waist.



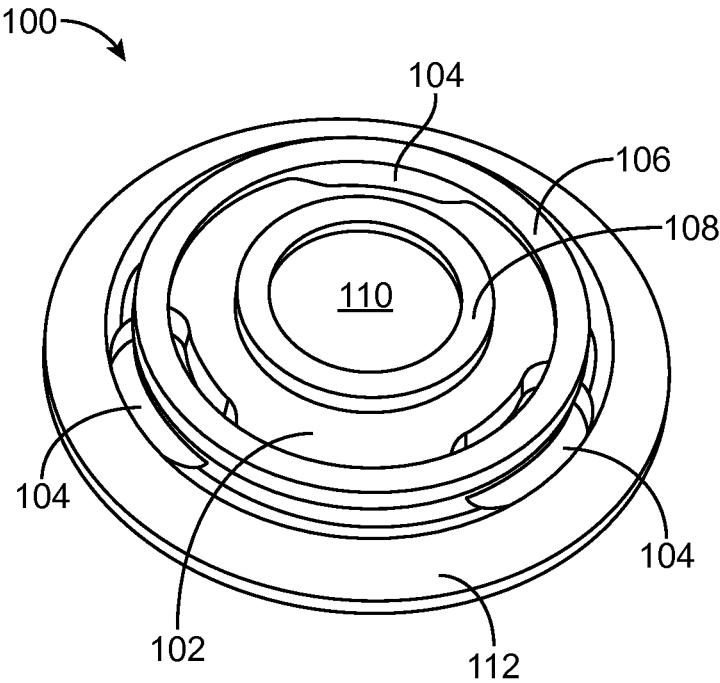


FIG. 1

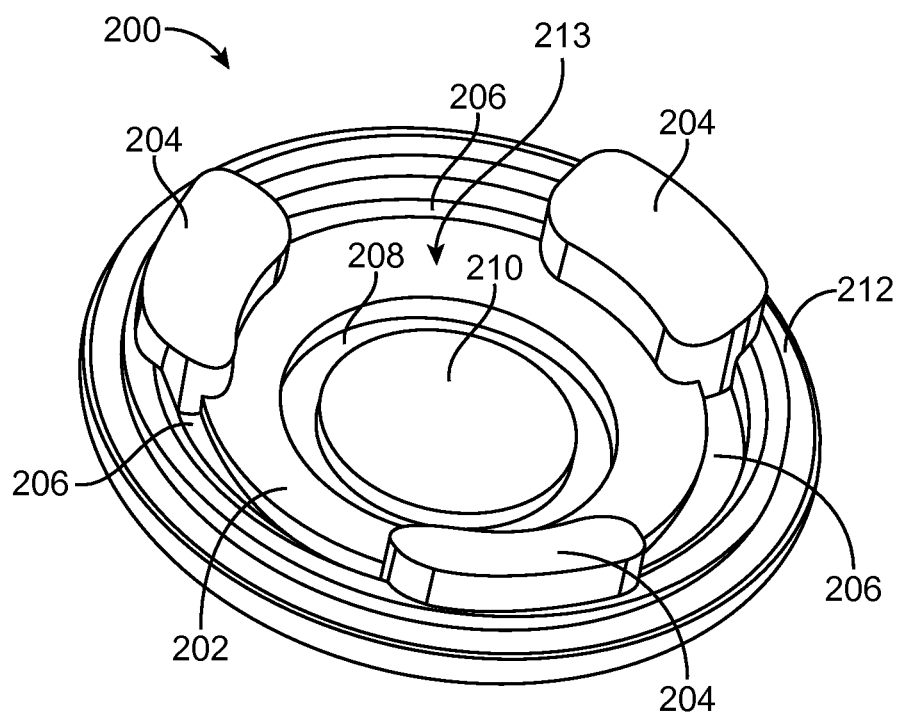


FIG. 2

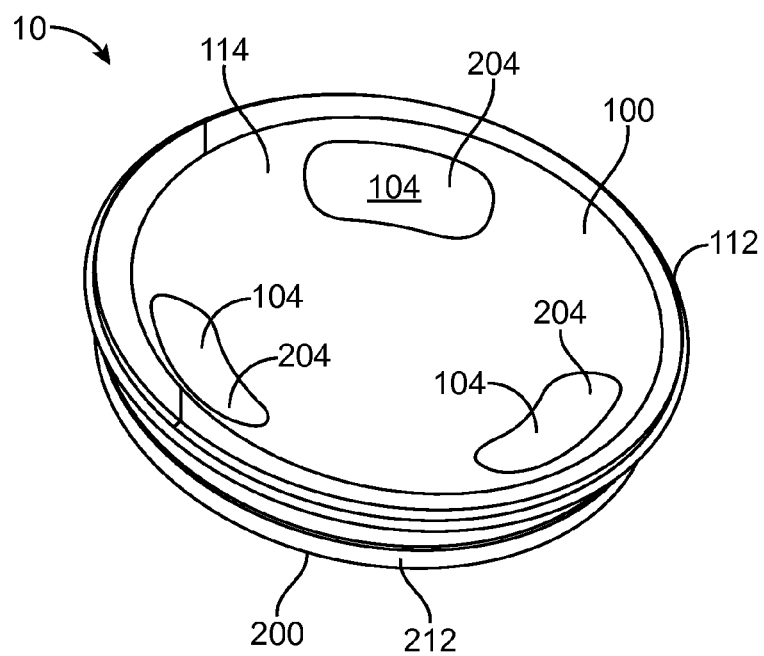


FIG. 3

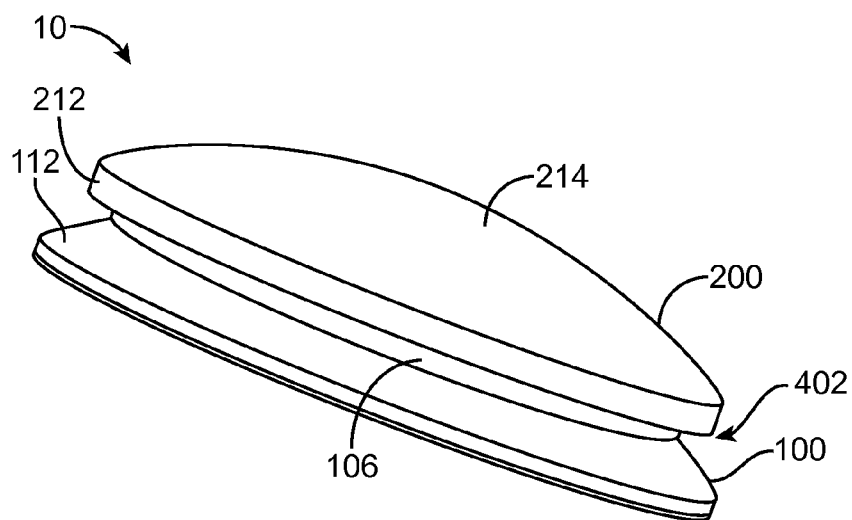


FIG. 4

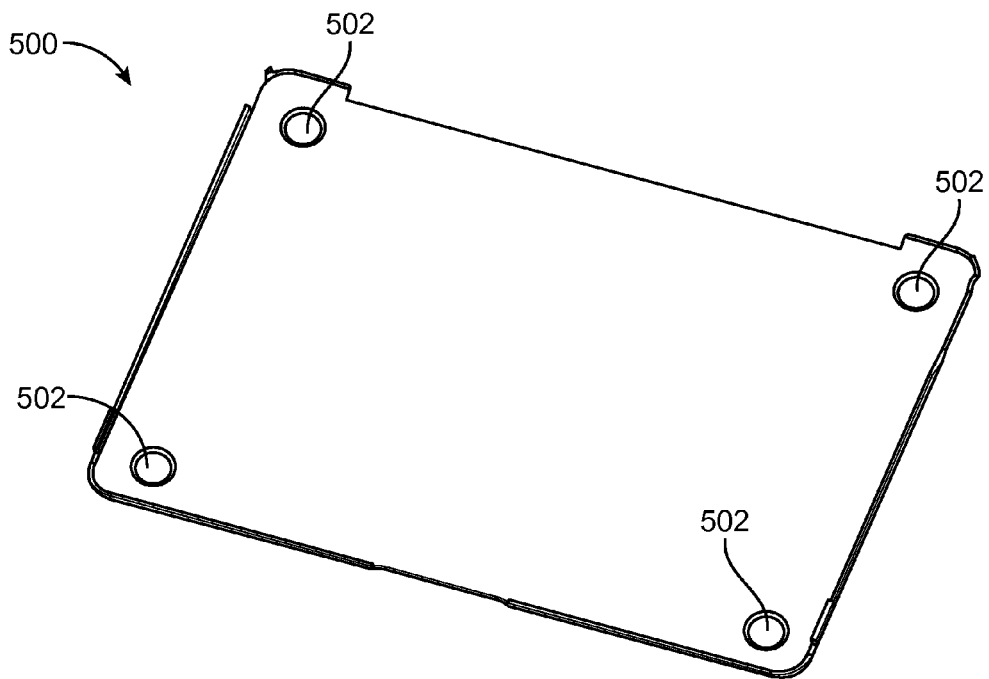


FIG. 5

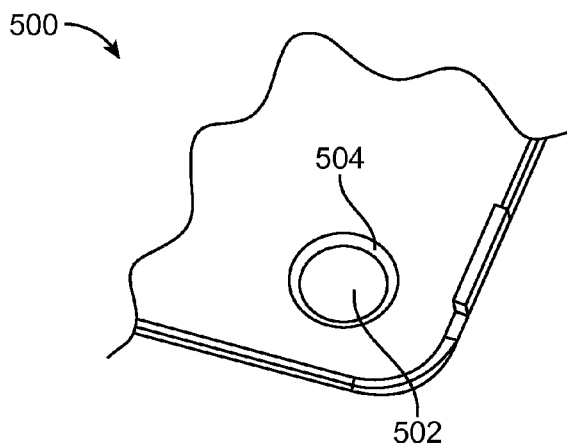


FIG. 6

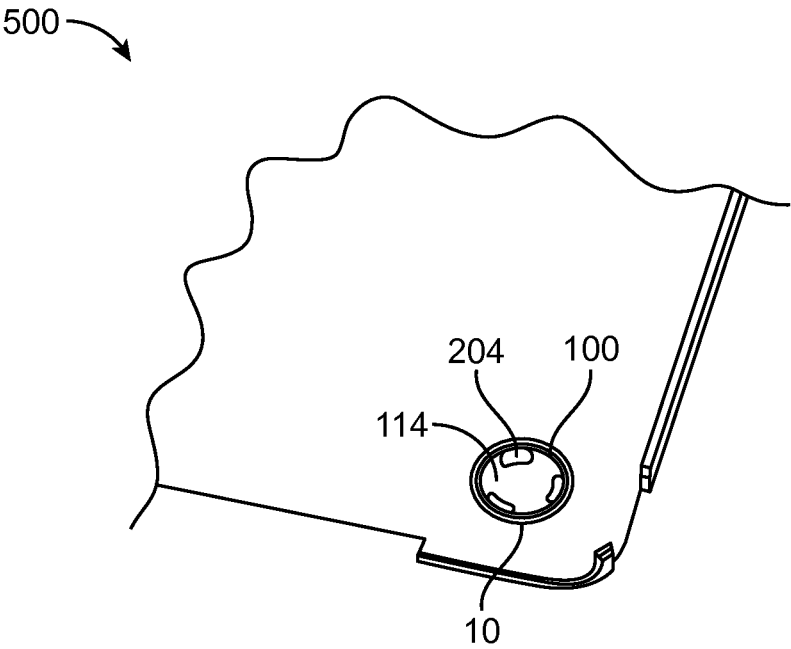


FIG. 7

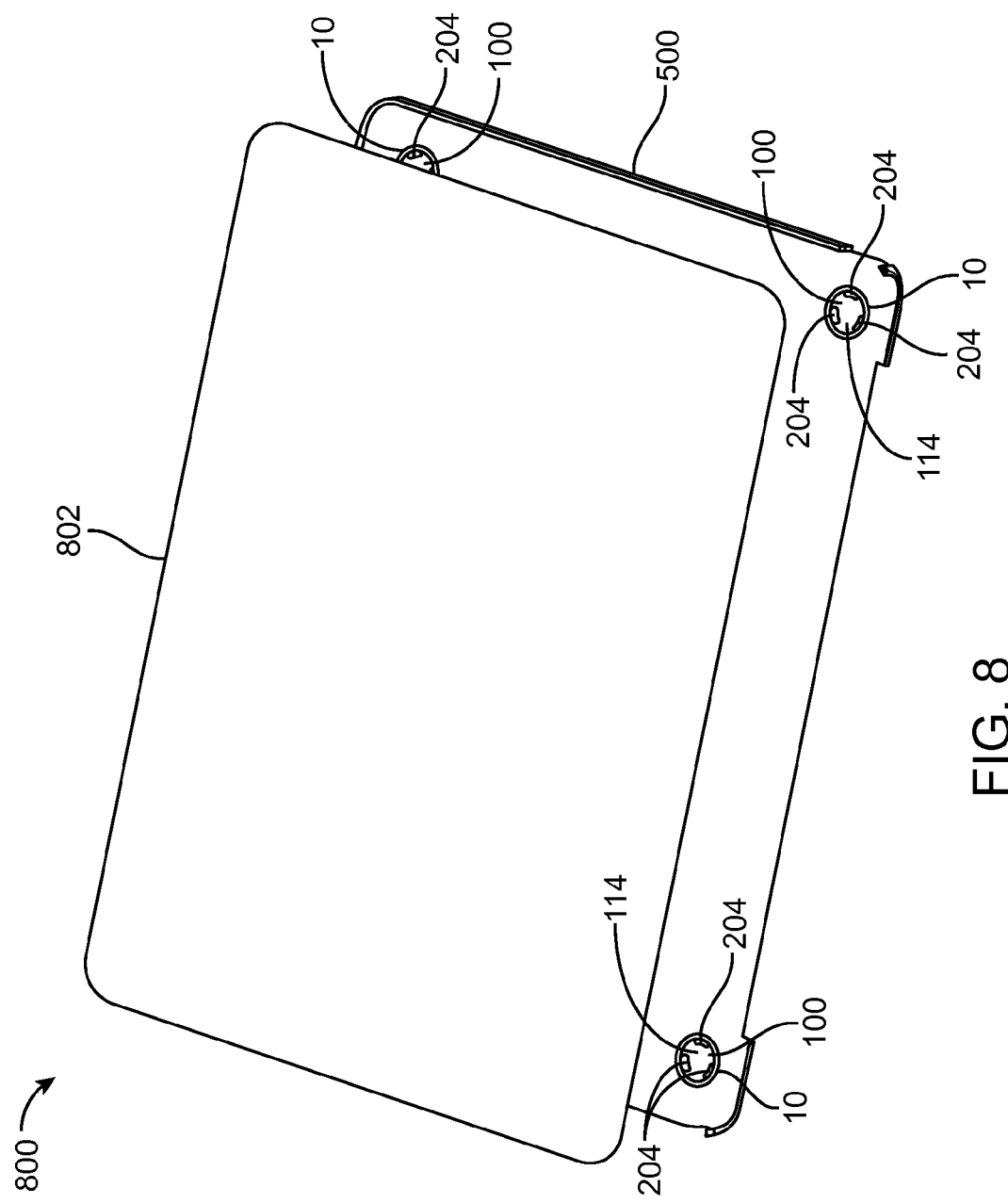


FIG. 8

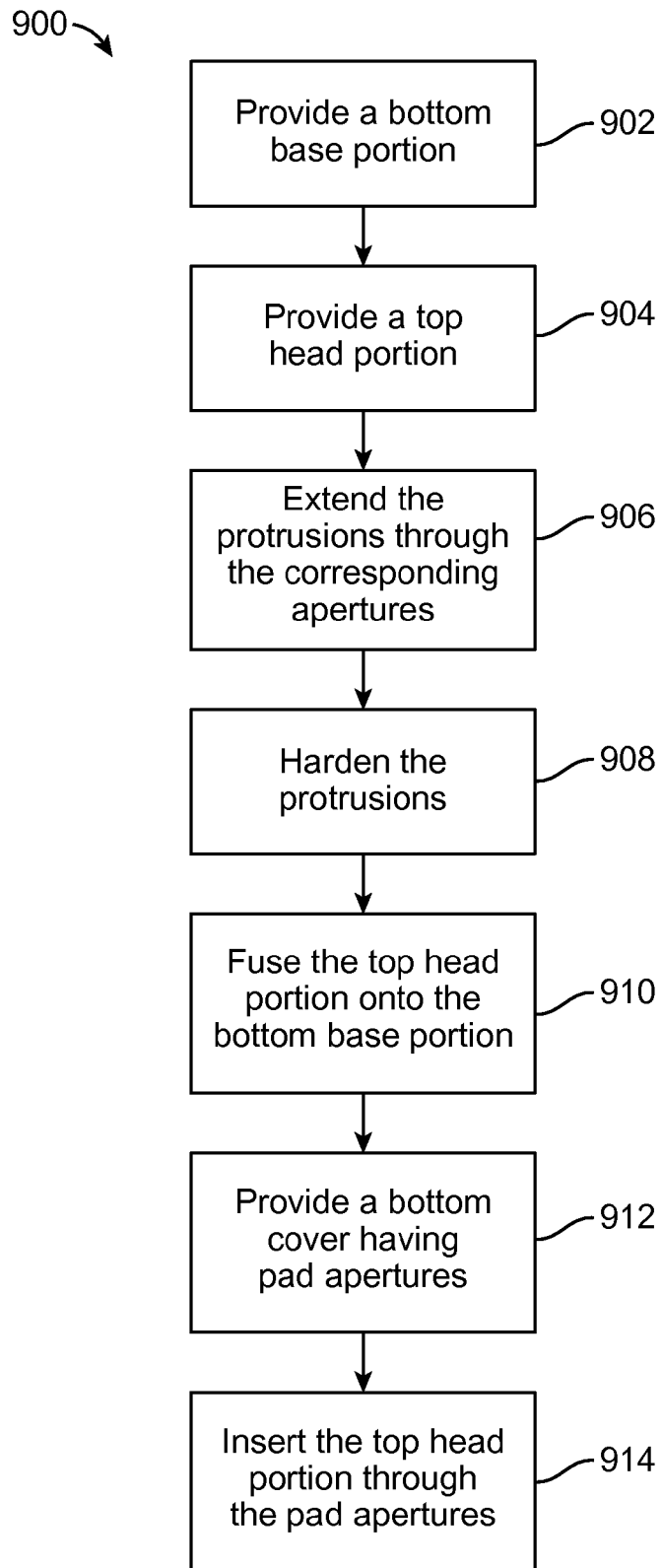


FIG. 9

PAD FOR PROTECTIVE COVER

FIELD

[0001] The present disclosure relates to a protective cover. In particular, the disclosure relates to a pad for a protective cover for electronic devices.

BACKGROUND

[0002] Protective covers for electronic devices prevent scratches and damage to the electronic devices. Protective covers may have pads to raise the protective cover and electronic device above a surface such as the top of a desk. Raising the electronic device can help dissipate heat. The pads for protective covers are often glued to the underside of the cover.

BRIEF DESCRIPTION OF THE DRAWINGS

[0003] Implementations of the present application will now be described, by way of example only, with reference to the attached figures, wherein:

[0004] FIG. 1 is an isometric view of a head portion of an exemplary pad;

[0005] FIG. 2 is an isometric view of a head portion of an exemplary pad;

[0006] FIG. 3 is an isometric view of an exemplary pad;

[0007] FIG. 4 is an isometric view of the exemplary pad of FIG. 3, but viewed from a different angle;

[0008] FIG. 5 is an illustrative view of a bottom cover of an exemplary protective cover without pads installed;

[0009] FIG. 6 is an enlarged diagram of a portion of a bottom cover of an exemplary protective cover without pads installed;

[0010] FIG. 7 is an enlarged diagram of a portion of a bottom cover of an exemplary protective cover with pads installed;

[0011] FIG. 8 is an isometric view of an exemplary protective cover with pads installed; and

[0012] FIG. 9 is a flow chart illustrating a method for manufacturing a pad.

DETAILED DESCRIPTION

[0013] It will be appreciated that for simplicity and clarity of illustration, where appropriate, reference numerals have been repeated among the different figures to indicate corresponding or analogous elements. In addition, numerous specific details are set forth in order to provide a thorough understanding of the embodiments described herein. However, the embodiments described herein can be practiced without these specific details. In other instances, methods, procedures and components have not been described in detail so as not to obscure the related relevant function being described. Also, the description is not to be considered as limiting the scope of the implementations described herein. It will be understood that descriptions and characterizations of embodiments set forth in this disclosure are not to be considered as mutually exclusive, unless otherwise noted.

[0014] The following definitions are used in this disclosure: The term “coupled” is defined as connected, whether directly or indirectly through intervening components, and is not necessarily limited to physical connections. The connection can be such that the objects are permanently connected or releasably connected. The term “substantially” is defined to be essentially conforming to the particular dimen-

sion, shape or other word that substantially modifies, such that the component need not be exact. For example, substantially cylindrical means that the object resembles a cylinder, but can have one or more deviations from a true cylinder. The term “comprising” means “including, but not necessarily limited to”; “comprising” specifically indicates open-ended inclusion or membership in a so-described combination, group, series and the like.

[0015] A protective cover for an electronic device can protect the device from external damage. Pads on the protective cover can raise the electronic device to improve heat dissipation and prevent concrete, wood, glass, or any hard surface upon which the electronic device is placed from damaging the protective device. A pad that can be removably coupled with the protective cover can be replaced if damaged. Further, a pad that is coupled with the protective cover without the use of glue or other adhesives prevents the pad from easily detaching.

[0016] FIG. 1 illustrates a support portion 100 of a pad. The support portion 100 includes a base portion 102. The base portion 102 has a convex surface. In other examples, the base portion 102 can have a flat surface, a concave surface, or an irregular surface. The base portion 102 can be substantially circular, rectangular, or any other suitable shape. The base portion 102 of the support portion 100 can be made of at least hardened thermoplastic polyurethane. In other examples, the base portion 102 of the support portion 100 can be made of any suitable polymer.

[0017] The support portion 100 has an outer rim 112 that radially extends outward from the base portion 102. In at least one example, the outer rim 112 can extend uniformly from the base portion 102. In other examples, the outer rim 112 can extend from the base portion 102 varying distances. The outer rim 112 can be made of at least hardened thermoplastic polyurethane or any suitable polymer. In at least one example, the outer rim 112 can be made of the same material as the base portion 102. In other examples, the outer rim 112 can be made of a different material than the base portion 102. The outer rim 112 has a convex surface. In other examples, the outer rim 112 can have a flat, concave, or irregular surface.

[0018] The support portion 100 has at least one aperture 104 formed between the base portion 102 and the outer rim 112. The support portion 100 can have one, two, or any suitable number of apertures 104 formed between the base portion 102 and the outer rim 112. The apertures 104 can be substantially bean-shaped, circular, ovoid, rectangular, or any other suitable shape. Although having such shapes, the apertures 104 can be slightly arcuate to conform to a general circular shape of the support portion 100 or outer rim 112.

[0019] A ring 106 extends around a surface of the base portion 102. In other examples, the ring 106 can be positioned on the surface of the base portion 102. In yet other examples, the ring 106 can extend from the base portion 102 such that the ring 106 protrudes above the surface of the base portion 102. In yet other examples, the ring 106 is above but separate from the surface of the base portion 102. The ring 106 bridges the apertures 104. In other examples, the ring 106 does not bridge the apertures 104. In yet other examples, the ring 106 bridges at least one, but not all, of the apertures 104. The ring 106 can be substantially circular, rectangular, ovoid, or any other suitable shape and can conform to the general shape of the base portion 100. The ring 106 can be made of hardened thermoplastic polyurethane, rubber, or

any other suitable polymer. In at least one example, the ring 106 can be made of the same material as the base portion 102. In other examples, the ring 106 can be made of a different material than the base portion 102.

[0020] The base portion 102 has an inner ring 108 extending from the surface of the base portion 102. The inner ring 108 is smaller in functional diameter than the ring 106. The inner ring 108 forms a raised perimeter and extends around an inner portion 110 of the base portion 102. The inner portion 110 can substantially coincide with the central area of the base portion 102. In other examples, the inner ring 108 extends from the surface of the base portion 102 at any location but is contained within the ring 106. The inner ring 108 can be substantially circular, rectangular, ovoid, or any other suitable shape. The inner ring 108 can be made of hardened thermoplastic polyurethane, rubber, or any other suitable polymer. In at least one example, the inner ring 108 can be made of the same material as the base portion 102. In other examples, the inner ring 108 can be made of a different material than the base portion 102.

[0021] FIG. 2 illustrates a head portion 200 of the pad 10 (see FIG. 4). The head portion 200 is substantially circular, but, in other examples, can be rectangular, ovoid, or any other suitable shape. The head portion 200 has a body 202 having an underside 213 that includes at least one protrusion 204. The protrusions 204 can be substantially bean-shaped, circular, ovoid, rectangular, or any other suitable shape. Although having such shapes, the protrusions 204 can be slightly arcuate to conform to a general circular shape of the head portion 200. The protrusions 204 can correspond in number and in shape to the apertures 104 of the support portion 100 (shown in FIG. 1). In other examples, the protrusions 204 can be positioned such that the protrusions 204 correspond to portions of the ring 106.

[0022] The underside 213 of the head portion 200 can have a concave surface. In other examples, the underside 213 can have a convex, flat, or irregular surface. The underside 213 of the head portion 200 can correspond to the base portion 102 of the support portion 100 (shown in FIG. 1). The body 202 can be made of softened thermoplastic polyurethane, rubber, or any other suitable polymer. In at least one example, the body 202 can be made of the same material as the protrusions 204. In other examples, the body 202 can be made of a different material than the protrusions 204.

[0023] The body 202 of the head portion 200 can have an outer perimeter portion 212. The outer perimeter portion 212 can be substantially circular, rectangular, or any other suitable shape. The outer perimeter portion 212 can be made of softened thermoplastic polyurethane, rubber, or any other suitable polymer. In at least one example, the outer perimeter portion 212 can be made of the same material as the remainder of the body 202. In other examples, the outer perimeter portion 212 can be made of a different material than the remainder of the body 202. The outer perimeter portion 212 portion has a chamfered edge. In other examples, the outer perimeter portion 212 can have a beveled, a straight, or any suitably shaped edge. The head portion 200 can have a diameter smaller than a diameter of the support portion 100.

[0024] A groove 206 is formed in the body 202 separating the first underside 213 from the outer perimeter 212. The groove 206 is substantially circular. In other examples, the groove 206 can be substantially rectangular, ovoid, or any

suitable shape. The groove 206 corresponds to the ring 106 of the support portion 100 (shown in FIG. 1) such that the groove 206 can receive the ring 106. The protrusions 204 extend from the groove 206 as well as the underside 213 of the body 202. In other examples, the protrusions 204 extend only from the underside 213 of the body 202 and are raised above the groove 206.

[0025] The underside 213 of the body 202 of the head portion 200 includes an inner protrusion 210. The inner protrusion 210 corresponds to the inner portion 110 of the support portion 100 (shown in FIG. 1). The inner protrusion 210 can be substantially circular, rectangular, or any suitable shape such that the inner portion 110 formed by the inner ring 108 of the support portion (shown in FIG. 1) receives the inner protrusion 210. The inner protrusion 210 and the underside 213 of the body 202 form an inner groove 208 between inner protrusion 210 and underside 213. The inner groove 208 is substantially circular. In other examples, the inner groove 208 can be substantially rectangular, ovoid, or any other suitable shape. The inner groove 208 corresponds to the inner ring 108 of the support portion 100 (shown in FIG. 1) such that the inner groove 208 can receive the inner ring 108.

[0026] The support portion 100 can couple with the head portion 200 to form the pad 10 as shown in FIG. 3. Because the protrusions 204 of the head portion 200 are formed of softer material than the ring 106 of the support portion 100, when heated, the protrusions 204 of the head portion 200 can soften to a degree such that they can be pressed into the ring 106 such that each of the protrusions 204 encompasses a corresponding portion of the ring 106 bridging the apertures 104. In at least one example, the protrusions 204 of the head portion 200 then cool and solidify, forming around the encompassed portions of the ring 106. The protrusions 204 can be urged and received by the corresponding apertures 104, and correspondingly, the ring 106 can be urged and received by the groove 206. The inner ring 108 is received by the inner groove 208. In at least one example, the support portion 100 does not include an inner ring 108. The head portion 200 can be fused onto the support portion 100 by plastic compounding. In other examples, the head portion 200 can be coupled with the support portion 100 by any suitable means. The support portion 100 has a back side 114 that is a rounded concave surface.

[0027] When the pad 10 is formed, the outer rim 112 and the outer perimeter portion 212 do not contact one another, as illustrated in FIG. 4. When coupled, the ring 106 separates the support portion 100 and the head portion 200, thereby forming a waist 402. The waist 402 has a smaller diameter than the diameters of the support portion 100 and the head portion 200. The head portion 200 has a second side 214 which is a rounded convex surface. In other examples, the second side 214 can be convex, flat, or irregular in shape.

[0028] FIG. 5 illustrates a bottom cover 500 of a protective cover for an electronic device. The bottom cover 500 corresponds to the underside of an electronic device, for example a laptop computer, and protects the underside of the electronic device at least from surface damage. The bottom cover 500 can be substantially rectangular. In other examples, the bottom cover can be substantially circular, ovoid, or any suitable shape that substantially corresponds to the underside of the electronic device. The bottom cover 500

has at least one pad aperture **502** formed therein. In at least one embodiment, the bottom cover **500** has four pad apertures **502** formed therein.

[0029] The bottom cover **500** has one or more protrusions **504** that extend into the plurality of pad apertures **502** as shown in FIG. 6. In at least one example, the protrusions **504** can be one continuous extension. In other examples, there can be multiple protrusions **504** that extend throughout the pad apertures **502**. The protrusions **504** correspond to the waist **402** of the pad **10**.

[0030] As shown in FIG. 7, the pad **10** is inserted through the pad apertures **502**. To insert the pad **10**, the head portion **100** of the pad **10** (shown in FIG. 4) is inserted through the pad apertures **502** (shown in FIG. 6) of the bottom cover **500**. The protrusions **504** of the bottom cover **500** (shown in FIG. 6) can function as receiving surfaces proximate the edge of the pad apertures **502** for the outer rim **112** of the support portion **100**. The waist **402** receives the protrusions **504**, and the outer rim **112** abuts the protrusions **504**, thereby coupling the pad **10** to the bottom cover **500**. When being inserted through the pad apertures **502**, the head portion **200** deforms against the protrusions **504**. When through the pad apertures **502**, the head portion **200** reforms wherein the diameter of the head portion **100** is greater than the diameter of the pad apertures **502**. As such, the outer perimeter portion **212** of the head portion **200** abuts the protrusions **504**, thereby coupling the pad **10** to the bottom cover **500**.

[0031] FIG. 8 illustrates that the protective cover **800** includes a top cover **802** and a bottom cover **500**. The top cover **802** corresponds to a top outer surface of the electronic device, which may be for example a laptop device. The top cover **802** is substantially rectangular. In other examples, the top cover **802** can be substantially circular, ovoid, or any suitable shape corresponding to the electronic device. The bottom cover **500** is coupled with at least one pad **10**. The second side **214** of the upper head portion **200** is on the outer side of the back cover **500**. The back side **114** of the support portion **100** forms the opposite side of the pad **10** and is on the inner side of the back cover **500** such that the back side **114** is proximate to the electronic device.

[0032] Referring to FIG. 9, a flowchart for manufacturing a pad is presented in accordance with an example embodiment. The example method **900** is provided by way of example, as there are a variety of ways to carry out the method. The method **900** described below can be carried out using the configurations illustrated in FIGS. 1-3, for example, and various elements of these figures are referenced in explaining example method **900**. Each block shown in FIG. 9 represents one or more processes, methods or subroutines, carried out in the example method **900**. Furthermore, the illustrated order of blocks is illustrative only and the order of the blocks can change according to the present disclosure. Additional blocks may be added or fewer blocks may be utilized, without departing from this disclosure. The example method **900** can begin at block **902**.

[0033] At block **902**, a support portion is provided. The support portion has a base portion having at least one aperture formed therein. The support portion is circular. In other examples, the support portion can be rectangular, ovoid, or any other suitable shape. The apertures can be bean-shaped, circular, rectangular, or any other suitable shape. A ring extends around a surface of the base portion. The ring bridges the apertures. An outer rim radially extends outward from the base portion. The support portion can be

made of hardened thermoplastic polyurethane. In other examples, the support portion can be made of any other suitable material.

[0034] At block **904**, a head portion is provided. The head portion has a first side which includes at least one protrusion that corresponds to the apertures of the support portion. The head portion has a second side having a rounded convex surface. The head portion can be made of softened thermoplastic polyurethane. In other examples, the head portion can be made of any other suitable material that is softer than the material of the support portion. In yet other examples, the head portion can be made of any other suitable material that has a lower melting point than the material of the support portion.

[0035] At block **906**, the protrusions are extended through the corresponding apertures. The protrusions can be in a softened state. In other examples, the protrusions can be in a melted state.

[0036] At block **908**, the protrusions are hardened to form around and encompass the portion of the ring bridging the aperture, thereby coupling the head portion with the support portion.

[0037] At block **910**, the head portion is fused onto the support portion by plastic compounding. In other examples, the head portion is coupled with the support portion by welding, extrusion, or any other suitable means. When coupled, the ring separates the support portion and the head portion forming a waist.

[0038] At block **912**, a bottom cover is provided. The bottom cover has a plurality of pad apertures. In at least one example, the bottom cover has four pad apertures. The bottom cover can have receiving surfaces proximate the edge of the pad apertures for the outer rim of the support portion.

[0039] At block **914**, the head portion is inserted through the pad apertures. The receiving surfaces receive the outer rim of the support portion such that the outer rim abuts the receiving surfaces. In other examples, the bottom cover has protrusions that extend into the pad apertures which are received, when the head portion is inserted through the pad apertures, by the waist of the pad.

Statements of the disclosure include:

[0040] Statement 1: A pad comprising: a support portion comprising: a base portion having at least one aperture formed therein; a ring positioned on a surface of the base portion, wherein the ring bridges the at least one aperture; and an outer rim that radially extends outward from and surrounds the base portion; and a head portion having a first side comprising at least one protrusion that corresponds to the at least one aperture of the support portion, and a second side having a rounded convex surface, wherein the at least one protrusion extends through the corresponding aperture and encompasses a portion of the ring bridging the aperture, thereby coupling the head portion with the support portion, and wherein when coupled, the ring separates the support portion and the head portion thereby forming a waist.

[0041] Statement 2: The pad of Statement 1, wherein the head portion further comprises a groove that receives the ring.

[0042] Statement 3: The pad of Statements 1 or 2, wherein the support portion further comprises an inner ring extending from the base portion; and the head portion further comprises an inner groove that receives the inner ring.

[0043] Statement 4: The pad of Statement 3, wherein the pad is coupled with a bottom cover having a plurality of pad apertures.

[0044] Statement 5: The pad of Statement 4, wherein the head portion of the pad is inserted through the plurality of pad apertures.

[0045] Statement 6: The pad of Statements 4 or 5, wherein the bottom cover comprises one or more protrusions that extend into the plurality of pad apertures, wherein the waist of the pad receives the protrusions of the bottom cover.

[0046] Statement 7: The pad of any of Statements 4-6, wherein the bottom cover has receiving surfaces proximate the edge of the pad apertures for receiving the outer rim of the support portion.

[0047] Statement 8: The pad of any of Statements 1-7, wherein the support portion is made of hardened thermoplastic polyurethane; and the head portion is made of softened thermoplastic polyurethane.

[0048] Statement 9: The pad of any of Statements 1-8, wherein the head portion is fused onto the support portion by plastic compounding.

[0049] Statement 10: A cover for an electronic device comprising: a bottom cover having a plurality of pad apertures; and a plurality of pads comprising: a support portion comprising: a base portion having at least one aperture formed therein; a ring positioned on a surface of the base portion, wherein the ring bridges the at least one aperture; and an outer ring that radially extends outward from and surrounds the base portion; and a head portion having a first side comprising at least one protrusion that corresponds to the at least one aperture of the first portion, and a second side having a rounded convex surface, wherein the at least one protrusion extends through the corresponding aperture and encompasses a portion of the ring bridging the aperture, thereby coupling the head portion with the support portion, wherein when coupled, the ring separates the support portion and the head portion thereby forming a waist, and wherein the head portion extends through the pad apertures of the bottom cover.

[0050] Statement 11: The cover of Statement 10, wherein the head portion further comprises a groove that receives the ring.

[0051] Statement 12: The cover of Statements 10 or 11, wherein the support portion further comprises an inner ring extending from the base portion; and the head portion further comprises an inner groove that receives the inner ring.

[0052] Statement 13: The cover of Statement 12, wherein the inner ring extends around an inner portion of the body; wherein the head portion further comprises an inner protrusion that corresponds to the inner portion.

[0053] Statement 14: The cover of Statement 12, wherein the inner ring has a functional diameter smaller than a functional diameter of the ring.

[0054] Statement 15: The cover of Statements 13 or 14, wherein the inner portion receives the inner protrusion.

[0055] Statement 16: The cover of any of Statements 10-15, wherein the bottom cover comprises one or more protrusions extending into the plurality of pad apertures, wherein the waist of the pad receives the protrusions of the bottom cover.

[0056] Statement 17: The cover of any of Statements 10-16, wherein the bottom cover has receiving surfaces proximate the edge of the pad apertures for the outer rim of the support portion.

[0057] Statement 18: The cover of Statement 17, wherein the support portion, when the head portion is inserted through the pad apertures of the bottom cover, abuts the receiving surfaces.

[0058] Statement 19: The cover of any of Statements 10-18, wherein the support portion is made of hardened thermoplastic polyurethane; and the head portion is made of softened thermoplastic polyurethane.

[0059] Statement 20: The cover of any of Statements 10-19, wherein the head portion is fused onto the support portion by plastic compounding.

[0060] Statement 21: The cover of any of Statements 10-20, wherein the at least one protrusion forms around the ring.

[0061] Statement 22: The cover of any of Statements 10-21, wherein the at least one protrusion is substantially bean-shaped.

[0062] Statement 23: The cover of any of Statements 10-22, wherein the protective cover further comprises a top cover.

[0063] Statement 24: The cover of Statement 23, wherein the top cover is substantially rectangular.

[0064] Statement 25: The cover of any of Statements 10-24, wherein the at least one aperture is formed along the outer rim.

[0065] Statement 26: The cover of any of Statements 10-25, wherein the bottom cover has four pad apertures.

[0066] Statement 27: The cover of any of Statements 10-26, wherein the support portion has three apertures.

[0067] Statement 28: The cover of any of Statements 10-27, wherein the head portion has three protrusions.

[0068] Statement 29: The cover of any of Statements 10-28, wherein the bottom cover is substantially rectangular.

[0069] Statement 30: A method for manufacturing a pad comprising: providing a support portion comprising: a base portion having at least one aperture formed therein; a ring positioned on a surface of the base portion, wherein the ring bridges the at least one aperture; and an outer rim that radially extends outward from and surrounds the base portion; providing a head portion having a first side comprising at least one protrusion that corresponds to the at least one aperture of the support portion, and a second side having a rounded convex surface; extending the at least one protrusion through the corresponding aperture in a softened state; and hardening the at least one protrusion to form around and encompassing the portion of the ring bridging the aperture, thereby coupling the head portion with the support portion; wherein when coupled, the ring separates the support portion and the head portion forming a waist.

[0070] Statement 31: The method of Statement 30, further comprising: providing a bottom cover having a plurality of pad apertures, wherein the bottom cover has receiving surfaces proximate the edge of the pad apertures for the outer rim of the support portion.

[0071] Statement 32: The method of Statement 31, further comprising: inserting the second portion through the pad apertures, wherein the receiving surfaces receive the outer rim of the support portion.

[0072] Statement 33: The method of any of Statements 30-32, further comprising: fusing the head portion onto the

support portion by plastic compounding, wherein the support portion is made of hardened thermoplastic polyurethane; and the head portion is made of softened thermoplastic polyurethane.

[0073] The various embodiments described above are provided by way of illustration only and should not be construed to limit the scope of the disclosure. Various modifications and changes can be made to the principles and embodiments described herein without departing from the scope of the disclosure and without departing from the claims which follow.

What is claimed is:

1. A pad comprising:
 - a support portion comprising:
 - a base portion having at least one aperture formed therein;
 - a ring positioned on a surface of the base portion, wherein the ring bridges the at least one aperture; and
 - an outer rim that radially extends outward from and surrounds the base portion; and
 - a head portion having a first side comprising at least one protrusion that corresponds to the at least one aperture of the support portion, and a second side having a rounded convex surface,
 - wherein the at least one protrusion extends through the corresponding aperture and encompasses a portion of the ring bridging the aperture, thereby coupling the head portion with the support portion, and
 - wherein when coupled, the ring separates the support portion and the head portion thereby forming a waist.
2. The pad as recited in claim 1, wherein the head portion further comprises a groove that receives the ring.
3. The pad as recited in claim 1, wherein the support portion further comprises an inner ring extending from the base portion; and the head portion further comprises an inner groove that receives the inner ring.
4. The pad as recited in claim 3, wherein the pad is coupled with a bottom cover having a plurality of pad apertures.
5. The pad as recited in claim 4, wherein the head portion of the pad is inserted through the plurality of pad apertures.
6. The pad as recited in claim 4, wherein the bottom cover comprises one or more protrusions that extend into the plurality of pad apertures, wherein the waist of the pad receives the protrusions of the bottom cover.
7. The pad as recited in claim 4, wherein the bottom cover has receiving surfaces proximate the edge of the pad apertures for receiving the outer rim of the support portion.
8. The pad as recited in claim 1, wherein the support portion is made of hardened thermoplastic polyurethane; and the head portion is made of softened thermoplastic polyurethane.
9. The pad as recited in claim 1, wherein the head portion is fused onto the support portion by plastic compounding.
10. A cover for an electronic device comprising:
 - a bottom cover having a plurality of pad apertures; and
 - a plurality of pads comprising:
 - a support portion comprising:
 - a base portion having at least one aperture formed therein;
 - a ring positioned on a surface of the base portion, wherein the ring bridges the at least one aperture; and

- an outer rim that radially extends outward from and surrounds the base portion; and
- a head portion having a first side comprising at least one protrusion that corresponds to the at least one aperture of the first portion, and a second side having a rounded convex surface,
 - wherein the at least one protrusion extends through the corresponding aperture and encompasses a portion of the ring bridging the aperture, thereby coupling the head portion with the support portion,
 - wherein when coupled, the ring separates the support portion and the head portion thereby forming a waist, and
 - wherein the head portion extends through the pad apertures of the bottom cover.
- 11. The cover as recited in claim 10, wherein the head portion further comprises a groove that receives the ring.
- 12. The cover as recited in claim 10, wherein the support portion further comprises an inner ring extending from the base portion; and
 - the head portion further comprises an inner groove that receives the inner ring.
- 13. The cover as recited in claim 10, wherein the bottom cover comprises one or more protrusions extending into the plurality of pad apertures, wherein the waist of the pad receives the protrusions of the bottom cover.
- 14. The cover as recited in claim 10, wherein the bottom cover has receiving surfaces proximate the edge of the pad apertures for the outer rim of the support portion.
- 15. The cover as recited in claim 10, wherein the support portion is made of hardened thermoplastic polyurethane; and the head portion is made of softened thermoplastic polyurethane.
- 16. The cover as recited in claim 10, wherein the head portion is fused onto the support portion by plastic compounding.
- 17. A method for manufacturing a pad comprising:
 - providing a support portion comprising:
 - a base portion having at least one aperture formed therein;
 - a ring positioned on a surface of the base portion, wherein the ring bridges the at least one aperture; and
 - an outer rim that radially extends outward from and surrounds the base portion;
 - providing a head portion having a first side comprising at least one protrusion that corresponds to the at least one aperture of the support portion, and a second side having a rounded convex surface;
 - extending the at least one protrusion through the corresponding aperture in a softened state; and
 - hardening the at least one protrusion to form around and encompassing the portion of the ring bridging the aperture, thereby coupling the head portion with the support portion;
 - wherein when coupled, the ring separates the support portion and the head portion forming a waist.
- 18. The method as recited in claim 17, further comprising:
 - providing a bottom cover having a plurality of pad apertures,
 - wherein the bottom cover has receiving surfaces proximate the edge of the pad apertures for the outer rim of the support portion.

19. The method as recited in claim **18**, further comprising:
inserting the head portion through the pad apertures,
wherein the receiving surfaces receive the outer rim of the
support portion.

20. The method as recited in claim **17**, further comprising:
fusing the head portion onto the support portion by plastic
compounding,
wherein the support portion is made of hardened thermo-
plastic polyurethane; and the head portion is made of
softened thermoplastic polyurethane.

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