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Shin

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(54) **EASY-TO-WEAR FUNCTIONAL SHOE**

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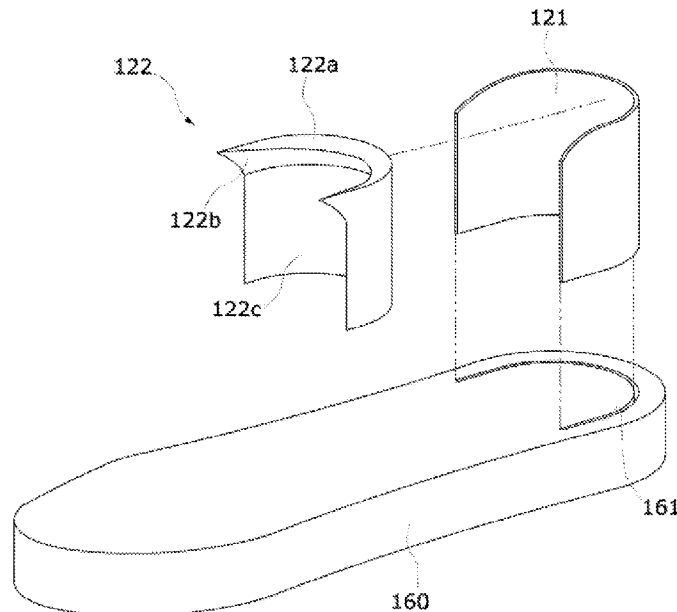
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(57) **ABSTRACT**

An easy-to-wear functional shoe is disclosed. The easy-to-wear functional shoe according to an embodiment includes: a support member for supporting the heel of the functional shoe; and an elastic member coupled to the upper portion of the support member and formed to protrude from the support member toward the inside of the functional shoe.

14 Claims, 16 Drawing Sheets



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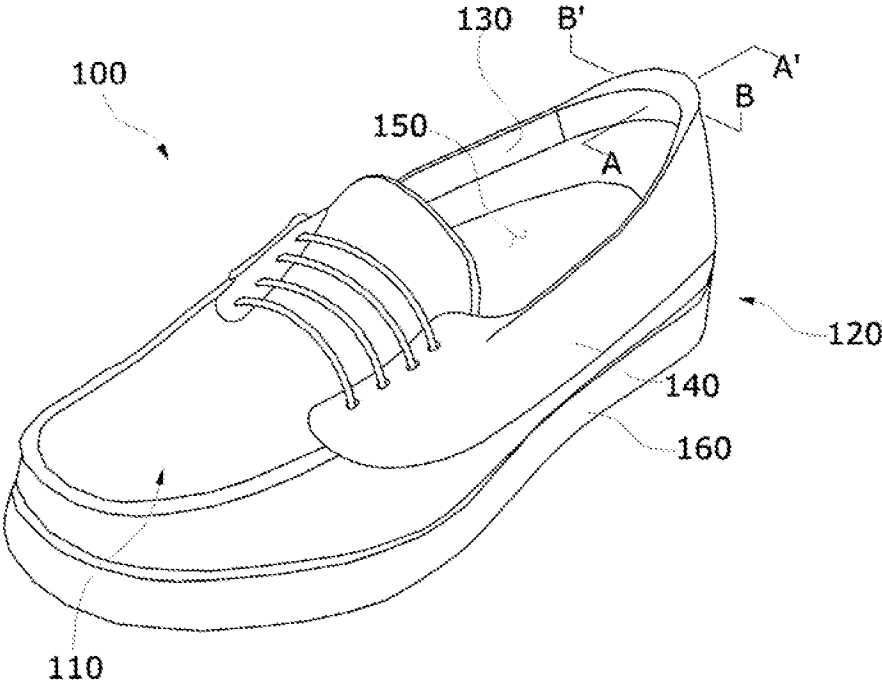
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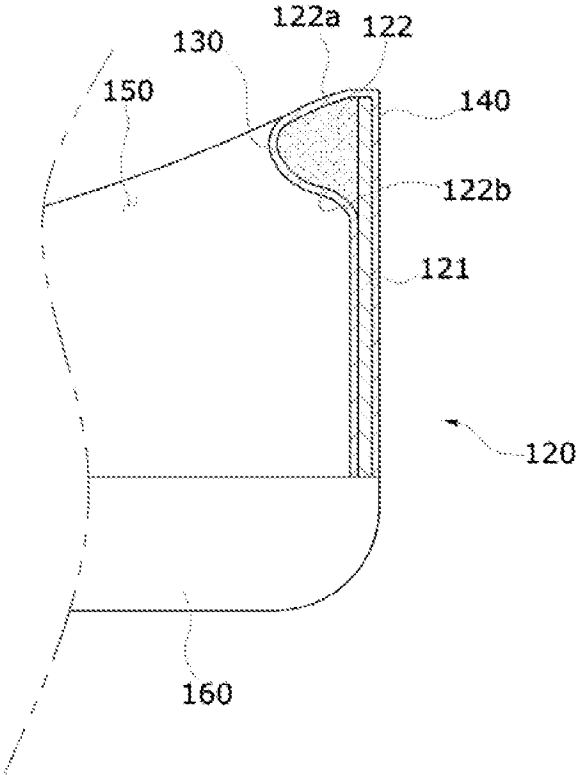
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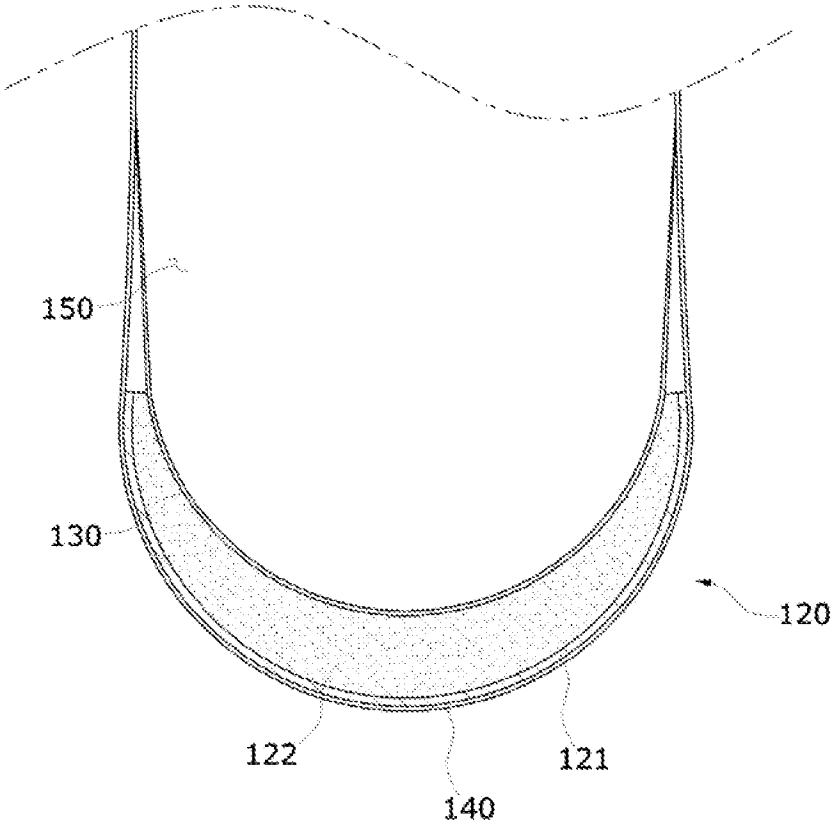
[FIG. 1]



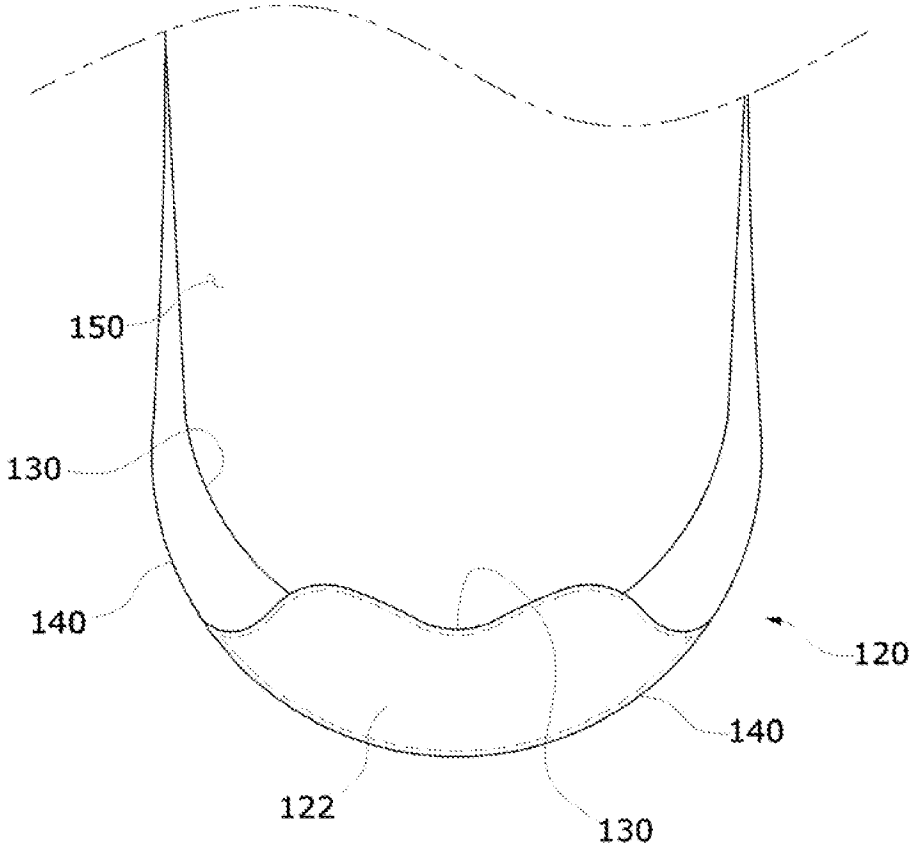
[FIG. 2]



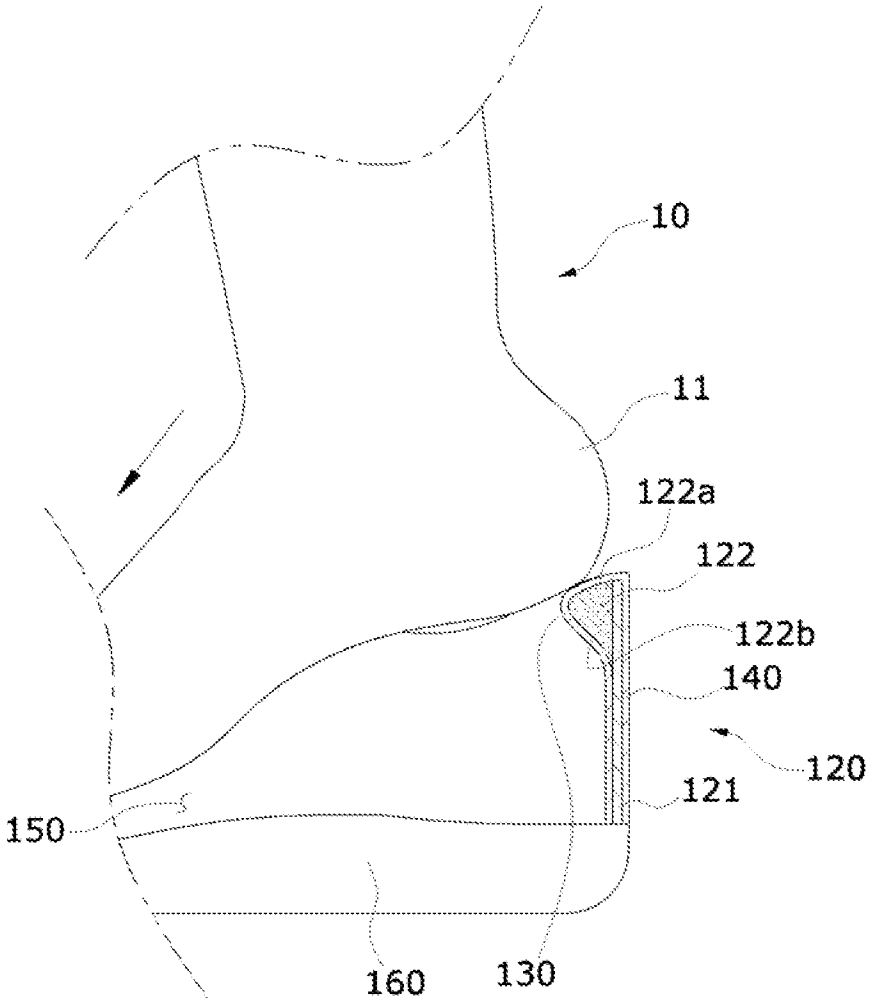
[FIG. 3]



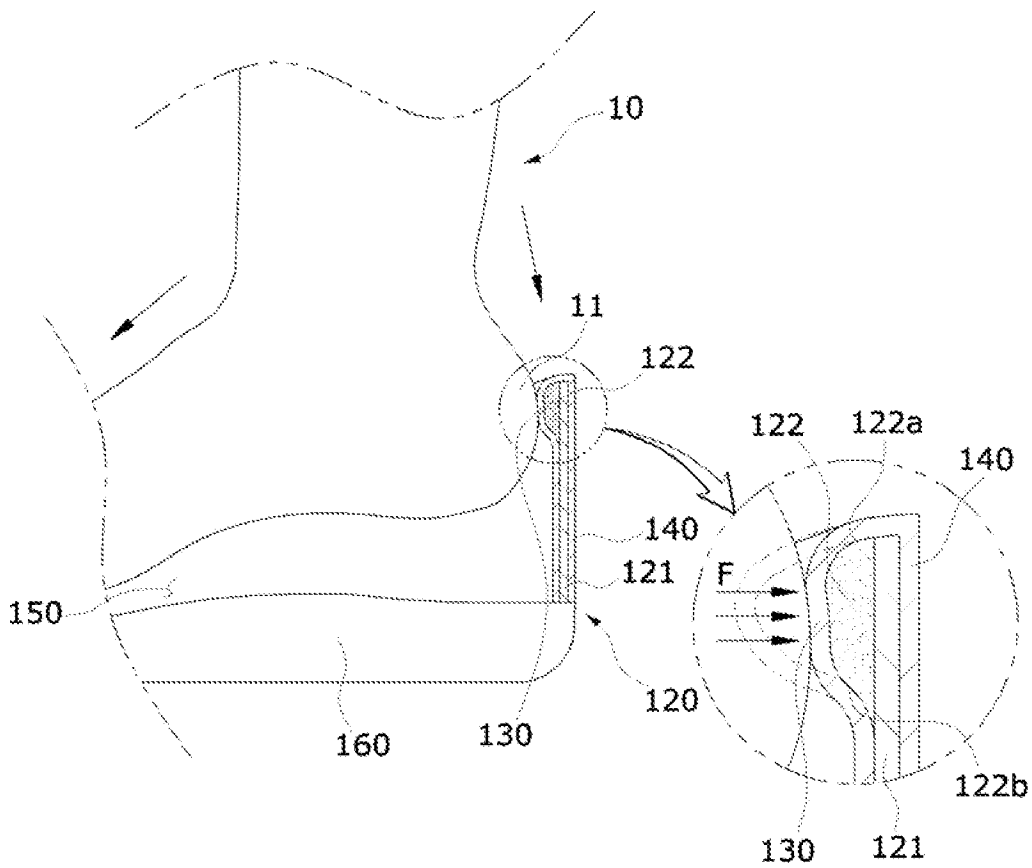
[FIG. 4]



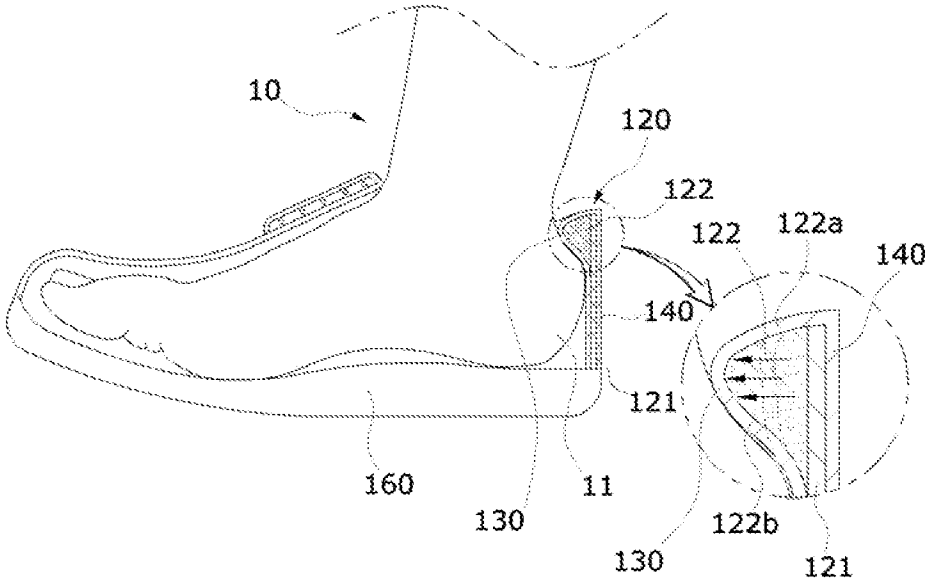
[FIG. 5]



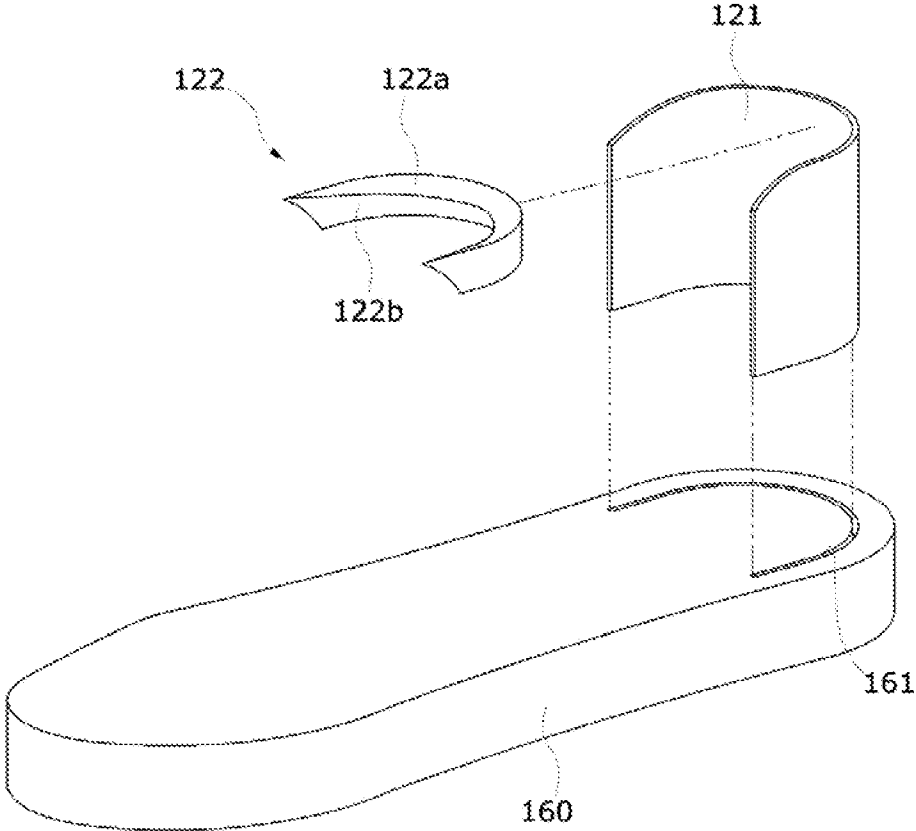
[FIG. 6]



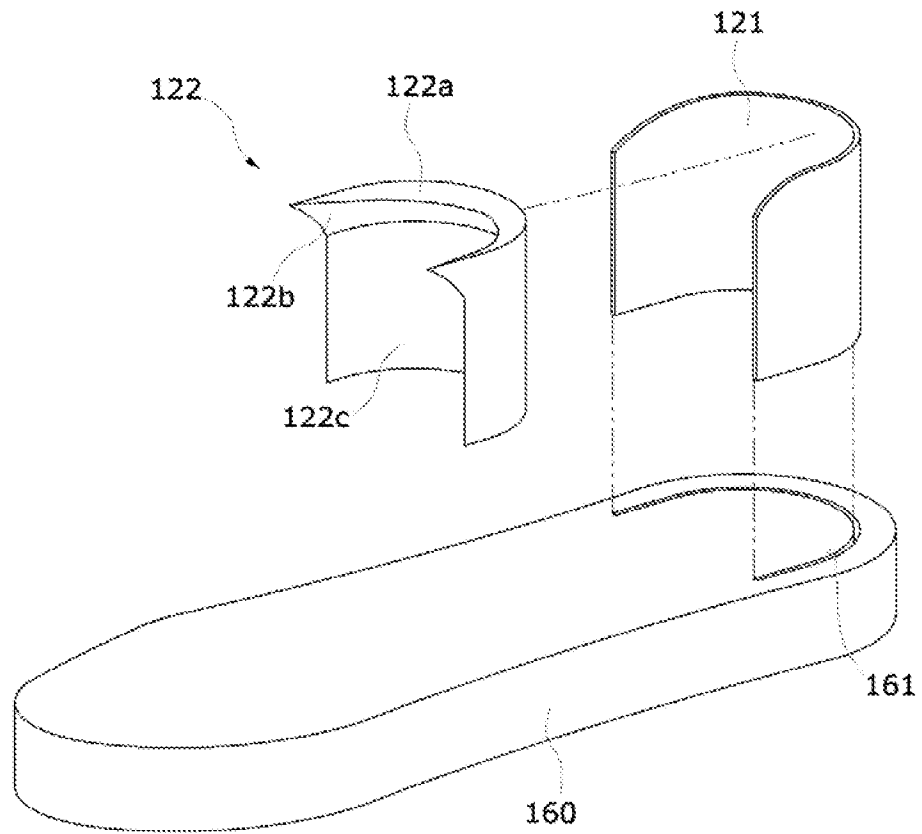
[FIG. 7]



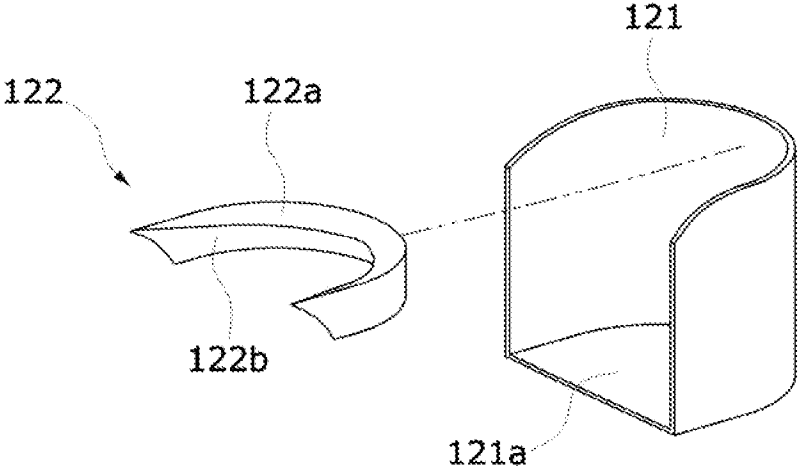
[FIG. 8]



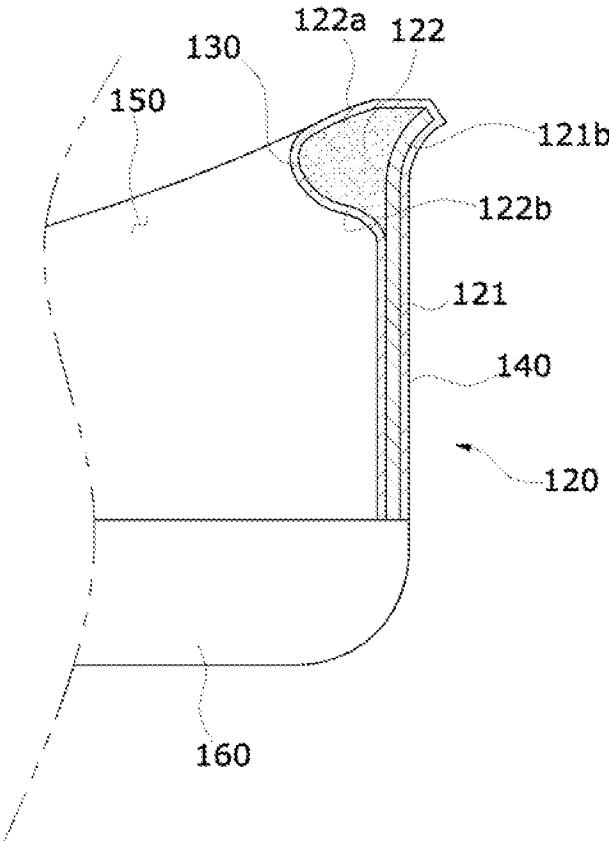
[FIG. 9]



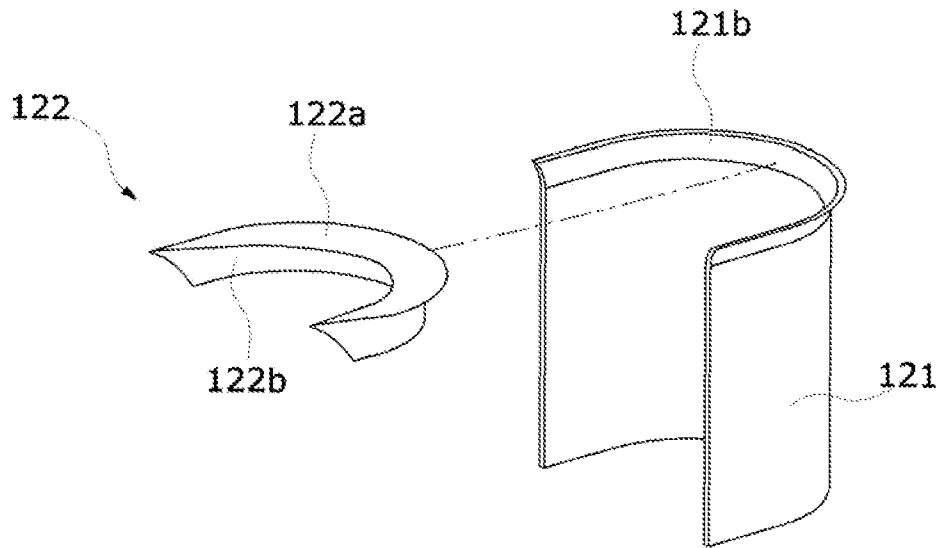
[FIG. 10]



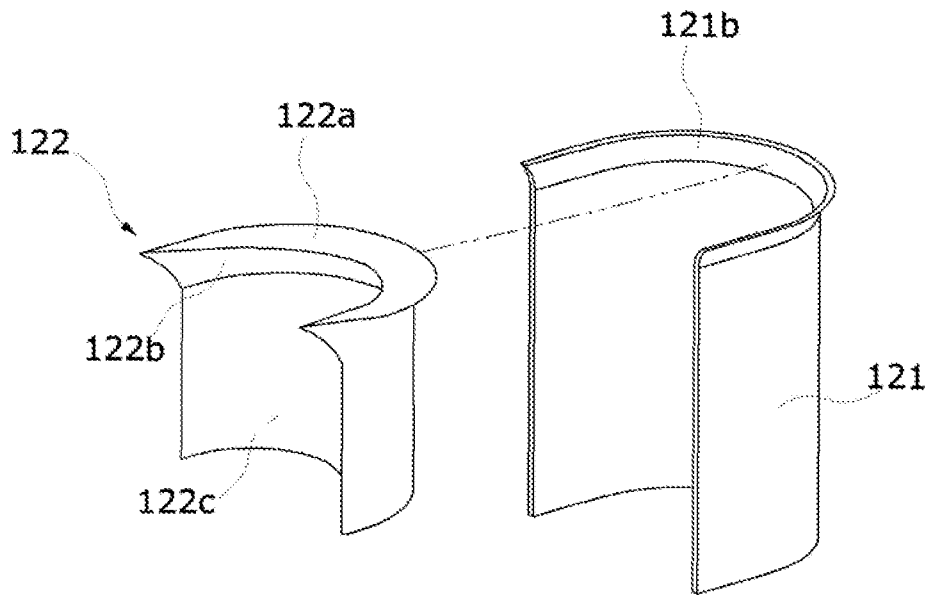
[FIG. 11]



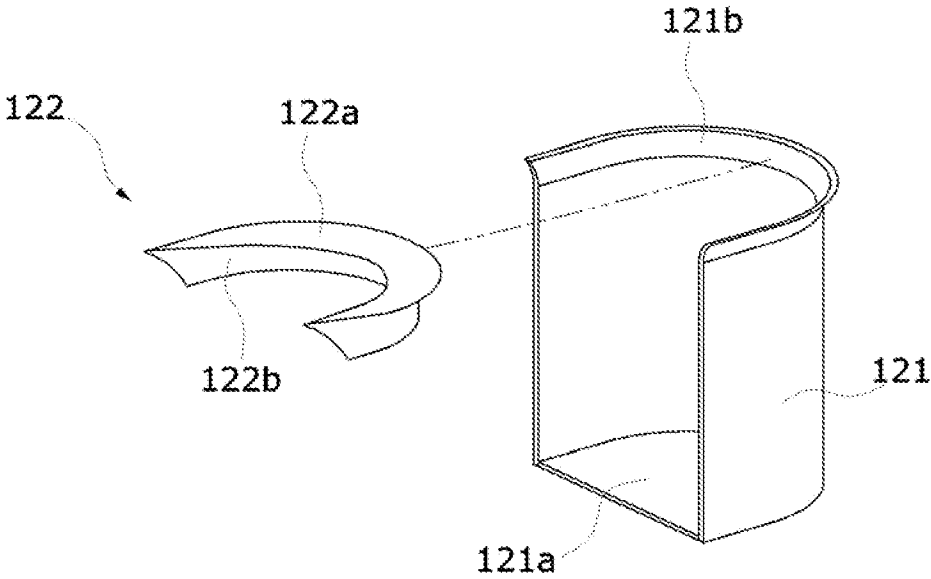
[FIG. 12]



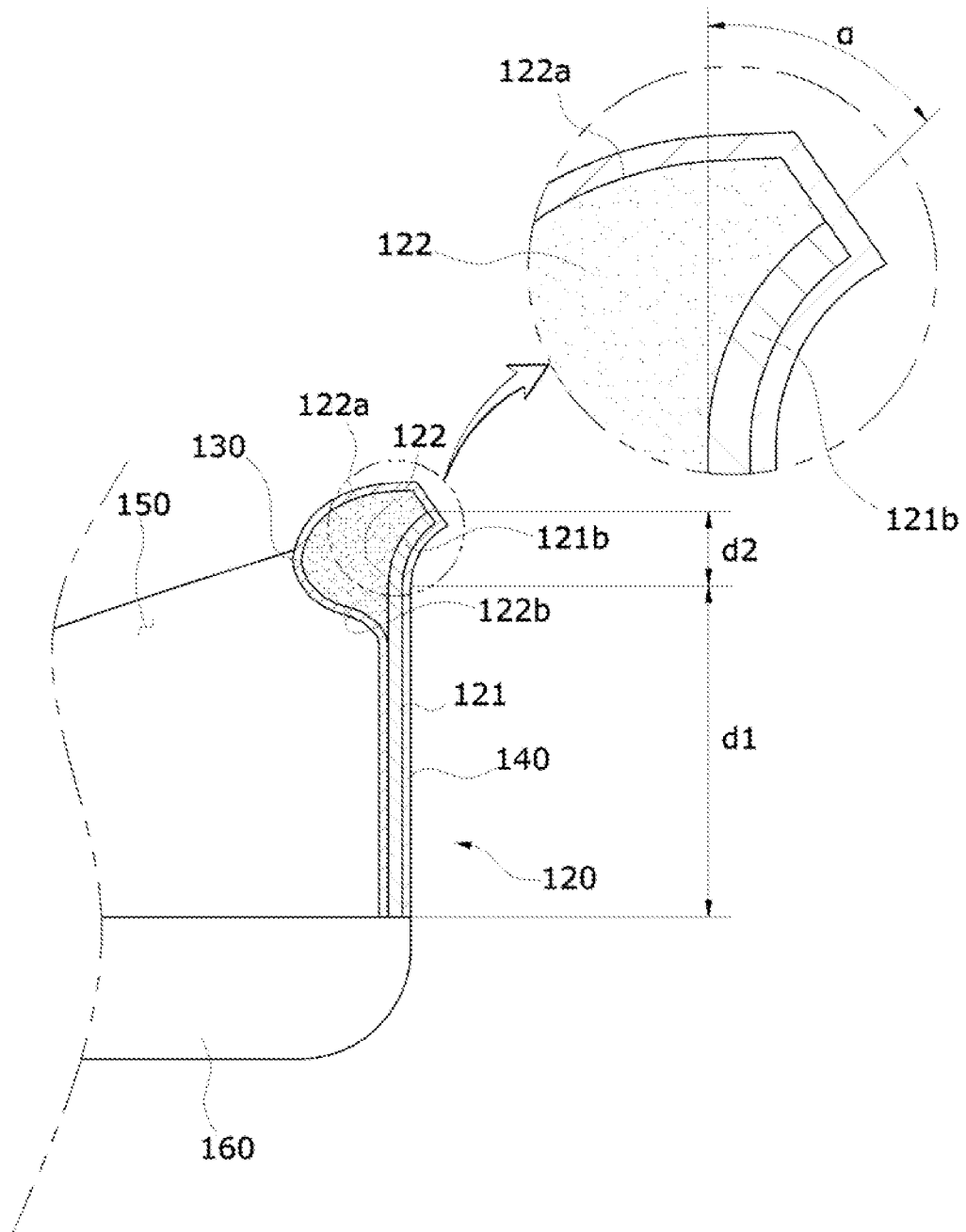
[FIG. 13]



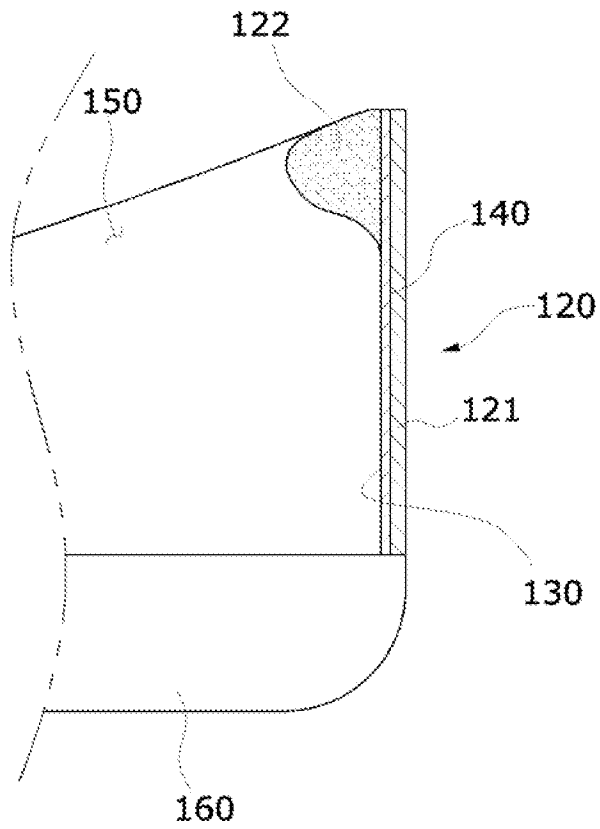
[FIG. 14]



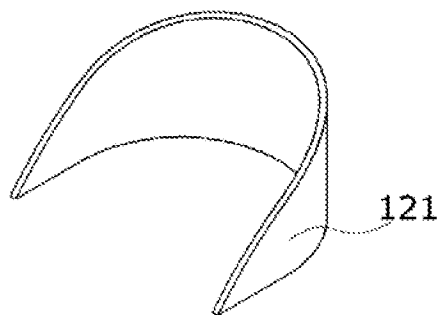
[FIG. 15]



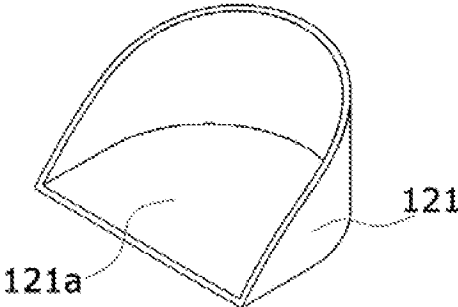
[FIG. 16]



[FIG. 17]



[FIG. 18]



EASY-TO-WEAR FUNCTIONAL SHOE

TECHNICAL FIELD

The present invention relates to an easy-to-wear functional shoe.

BACKGROUND ART

In general, feet of a human body play an important role in supporting a weight of the human body while the feet are in contact with the ground when a user walks upright. Further, in recent years, in order to protect these feet, various functional shoes beneficial to health are being produced and sold.

The shoes are usually made of natural leather or a synthetic resin, and since the user usually prefers shoes that match his/her foot size, when the user puts on the shoes, the foot heel is caught on the shoe heel, thereby making it difficult to put on the shoe.

In particular, an upper end of the shoe heel of the general shoe is formed to be bent inward according to the shape of the foot heel, and thus the foot heel may be seated on the shoe when a wearer walks while wearing the shoes. However, accordingly, when the wearer puts on the shoes, there is a problem in that an upper end of the shoe heel is folded into the shoe or the foot is caught on the upper end of the shoe heel.

Therefore, in order for the wearer to easily put on the shoes, a shoelace has been tightened and unfastened or a finger or an auxiliary tool such as a shoehorn has been used.

However, to this end, in general, since the wearer should use his/her hand while his/her back is bent or the wearer sits, the wearer feels uncomfortable. In particular, it is not easy for a patient, who cannot bend his/her back or cannot use his/her hands freely, to put on the shoes.

Korean Patent Application Publication No. 10-0976255 (published on Aug. 18, 2010) is present as the related art document related to the present invention, and the related art document discloses a technology related to a shoe of which the shoe heel is automatically worn.

DISCLOSURE

Technical Problem

The present invention is directed to providing an easy-to-wear functional shoe that a wearer may easily put on without bending his/her waist and without using his/her finger or an auxiliary tool such as a shoehorn.

Technical Solution

One aspect of the present invention provides an easy-to-wear functional shoe including a support member that supports a shoe heel, and an elastic member that is coupled to an upper portion of the support member and protrudes inward from the functional shoe.

The support member may be substantially perpendicularly coupled to a sole.

The support member may have a semicircular arch shape surrounding the shoe heel.

The support member may be formed up to an upper end of the shoe heel.

The elastic member may be elastically deformed in a front-rear direction according to an external force caused by being in contact with a foot heel of a wearer.

The elastic member may be made of any one of rubber and urethane.

The support member may be made of a material having hardness sufficient to not allow the shoe heel to fold inward even by the external force applied by the wearer.

The support member may be made of a reinforced plastic material.

The support member may further include a bottom surface coupled to the sole.

The support member may be coupled to a slot provided in the sole.

The elastic member may include a wearing surface that is inclined inward in a direction toward a lower side and a seating surface that protrudes from a lower end of the wearing surface, is inclined outward in a direction toward the lower side, and surrounds a foot heel.

The elastic member may further include a protective surface extending downward from the seating surface.

An inclined section extending outward may be formed at an upper end of the support member.

The support member and the elastic member may be provided between an inner skin and an outer skin of the shoe heel.

Another aspect of the present invention provides an easy-to-wear functional shoe having a shoe heel and a sole which are surrounded by an inner skin and an outer skin, the functional shoe including a support member that is provided between the inner skin and the outer skin and supports the shoe heel, and an elastic member that is provided between the inner skin and the outer skin, is coupled to an upper portion of the support member, and protrudes inward from the functional shoe.

Here, the support member may be substantially perpendicularly coupled to the sole.

Advantageous Effects

The present invention can provide an easy-to-wear functional shoe having a support member and an elastic member so that, when putting on the shoes, the wearer can easily put on the shoes without bending his/her waist or without using his/her hand.

In particular, the support member is made of a hard material so that a shoe heel is prevented from being bent into the shoe by an external force applied by the wearer, the elastic member is elastically deformed in a front-rear direction according to the external force applied by the wearer, and thus the wearer can easily put on the shoe without bending his/her waist or without using an assistive device.

Further, since an upper end of the shoe heel is not bent into the shoe due to the support member, when the wearer puts on the shoe, a foot heel can be prevented from being injured or the shoe can be prevented from being bent inward.

In addition, even in the case of a disabled patient, the patient can put on or take off the shoe by himself/herself without the help of another person, and thus his/her quality of life can be improved.

DESCRIPTION OF DRAWINGS

FIG. 1 is a perspective view schematically illustrating an easy-to-wear functional shoe according to one embodiment of the present invention.

FIG. 2 is a cross-sectional view taken along line A-A' of FIG. 1.

FIG. 3 is a cross-sectional view taken along line B-B' of FIG. 1.

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FIG. 4 is a plan view schematically illustrating a modification of an elastic member in the easy-to-wear functional shoe according to one embodiment of the present invention.

FIGS. 5 to 7 are views schematically illustrating a state in which a wearer puts on the easy-to-wear functional shoe according to one embodiment of the present invention.

FIG. 8 is a schematic view for describing a support member and an elastic member in the easy-to-wear functional shoe according to one embodiment of the present invention.

FIG. 9 is a schematic view illustrating a modification of the elastic member in the easy-to-wear functional shoe according to one embodiment of the present invention.

FIG. 10 is a schematic view illustrating a modification of the support member in the easy-to-wear functional shoe according to one embodiment of the present invention.

FIG. 11 is a cross-sectional view of an easy-to-wear functional shoe according to another embodiment of the present invention.

FIG. 12 is a schematic view for describing a support member and an elastic member in the easy-to-wear functional shoe according to another embodiment of the present invention.

FIG. 13 is a schematic view illustrating a modification of the elastic member in the easy-to-wear functional shoe according to another embodiment of the present invention.

FIG. 14 is a schematic view illustrating a modification of the support member in the easy-to-wear functional shoe according to another embodiment of the present invention.

FIG. 15 is a cross-sectional view illustrating the modification of the elastic member in the easy-to-wear functional shoe according to another embodiment of the present invention.

FIG. 16 is a cross-sectional view of an easy-to-wear functional shoe according to still another embodiment of the present invention.

FIGS. 17 and 18 are schematic views illustrating a modification of a support member in the easy-to-wear functional shoe according to still another embodiment of the present invention.

MODES OF THE INVENTION

Advantages and features of the present invention and a method of achieving the advantages and the features will become apparent with reference to embodiments described below in detail together with the accompanying drawings. However, the present invention is not limited to the embodiments described below but will be implemented in various forms, and the present embodiments merely make the invention of the present invention complete, are provided to completely inform the scope of the present invention to those skilled in the art to which the present invention belongs, and are defined by the description of the appended claims. Meanwhile, terms used in the present specification are intended to describe the embodiments and are not intended to limit the present invention. In the present specification, a singular form also includes a plural form unless specifically mentioned in a phrase. The term “comprise” or “comprising” used herein does not exclude the presence or addition of one or more other components, steps, operations, and/or elements in addition to components, steps, operations, and/or elements mentioned above.

Hereinafter, exemplary embodiments of the present invention will be described in detail with reference to the accompanying drawings.

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FIG. 1 is a perspective view schematically illustrating an easy-to-wear functional shoe according to one embodiment of the present invention.

Referring to FIG. 1, an easy-to-wear functional shoe 100 includes a fore sole 110 and a shoe heel 120 which are surrounded by an inner skin 130 and an outer skin 140.

The easy-to-wear functional shoe 100 includes a wearing groove 150, on which a foot of the wearer is seated, and a sole 160.

FIG. 2 is a cross-sectional view taken along line A-A' of FIG. 1, and FIG. 3 is a cross-sectional view taken along line B-B' of FIG. 1.

Referring to FIGS. 2 and 3, in the easy-to-wear shoe 100 (see FIG. 1) according to the present invention, the shoe heel 120 includes a support member 121 and an elastic member 122.

The support member 121 is provided between the inner skin 130 and the outer skin 140. The support member 121 functions to support the shoe heel 120. In this case, the support member 121 may be made of reinforced plastic that is a material that does not allow the shoe heel 120 to break or bend forward (inward direction) due to an external force applied by the wearer.

Here, the reinforced plastic is a plastic that compensates for the disadvantages of the plastic that is weak to heat and impact and refers to a plastic reinforced using a reinforcing material such as glass fiber or carbon fiber.

The support member 121 is coupled to the sole 160 so that the shoe heel 120 is substantially vertical. In this case, as illustrated in FIG. 3, the support member 121 is formed in a semicircular arc shape to surround and support the shoe heel 120.

Here, the semicircular arc shape is not necessarily limited to a semicircle and includes various shapes according to an extension length of a side surface of the support member 121. In this case, the support member 121 may be formed up to an upper end of the shoe heel 120.

The elastic member 122 is provided between the inner skin 130 and the outer skin 140. The elastic member 122 protrudes from the support member 121 in an inward direction. In this case, the inward direction refers to an inner side on which the wearing groove 150 is located.

The elastic member 122 adheres to an inner upper end of the support member 121. In this case, the elastic member 122 is provided with a wearing surface 122a and a seating surface 122b.

The wearing surface 122a is a section protruding from the upper end of the support member 121 and inclined inward in a direction toward the lower side. The wearing surface 122a guides the foot of the wearer to the wearing groove 150 so that the foot heel of the wearer may be easily moved into the wearing groove 150.

The seating surface 122b is connected to a lower end of the wearing surface 122a. The seating surface 122b is a section inclined outward in a direction toward the lower side. Here, the outward direction refers to an outer side with respect to the wearing groove 150.

When the wearer fully puts his/her foot into the wearing groove 150, the seating surface 122b surrounds an ankle of the wearer so that the shoe is not easily taken off.

FIG. 4 is a plan view schematically illustrating a modification of an elastic member in the easy-to-wear functional shoe according to one embodiment of the present invention.

Referring to FIG. 4, the elastic member 122 may be formed at an upper end of a central part of the shoe heel 120

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of the shoe. Here, the central part of the shoe heel **120** comprehensively refers to a part formed with respect to a center of the shoe heel **120**.

In this case, the elastic member **122** may be formed only at the upper end of the central part of the shoe heel **120**. Thus, in the embodiment of the FIG. 4, there is no elastic member **122** in the inner skin **130** and the outer skin **140** on left and right sides with respect to the central part of the shoe heel **120**. The elastic member **122** in this structure may protect or seat only the foot heel when the wearer puts the foot into the wearing groove **150**.

FIGS. 5 to 7 are views schematically illustrating a state in which a wearer puts on the easy-to-wear functional shoe according to one embodiment of the present invention.

First, referring to FIG. 5, in the easy-to-wear functional shoe that is the present invention, the shoe heel **120** is provided with the support member **121** and the elastic member **122**, and thus when the wearer puts on the shoe, the wearer may easily put on the shoe without bending his/her waist or using his/her hands.

When the wearer inserts a foot **10** into the wearing groove **150** to put on the shoe, a foot heel **11** comes into contact with the inner skin **130** surrounding the elastic member **122**.

In this case, as illustrated in FIG. 6, when the foot heel **11** of the wearer applies an external force *F* to the inner skin **130**, the elastic member **122** provided in the inner skin **130** is elastically deformed by a pushing force of the foot heel **11**.

That is, the elastic member **122** is elastically deformed by the external force *F* caused by the contact with the foot heel **11** and is recessed in an outward direction. Here, the outward direction refers to an outer side with respect to the wearing groove **150**.

The elastic member **122** that is elastically deformable in this way may be made of a rubber material. In addition, the elastic member **122** may be made of a highly elastic material such as urethane having elasticity.

Although the shape of the support member **121** is not basically deformed, the support member **121** may be elastically deformed in the outward direction (outer side) so that the wearer may easily put on the shoes. However, the support member **121** is not deformed in an inward direction.

The support member **121** may be made of a reinforced plastic material. Here, the support member **121** may not be easily broken by an external force.

Referring to FIG. 7, when the wearer puts on the shoes, the foot **10** of the wearer is seated on the wearing groove **150** (see FIG. 6). In this case, the elastic member **122** is restored to an original shape again after the foot heel **11** of the wearer has passed therethrough.

The foot heel **11** of the wearer is seated on the seating surface **122b** of the elastic member **122** restored in this way so that the foot **10** of the wearer is not easily separated to the outside. In this case, the seating surface **122b** has a form that surrounds the ankle of the wearer who wears the shoes.

When the wearer takes off the shoe, when the wearer fixes the shoe heel **120** and lifts the foot heel **11**, the wearing groove **150** is widened while the elastic member **122** is compressed, and thus the foot **10** may be easily separated from the shoe.

FIG. 8 is a schematic view for describing a support member and an elastic member in the easy-to-wear functional shoe according to one embodiment of the present invention.

Referring to FIG. 8, the support member **121** is fitted in a slot **161** having a semicircular arch shape and provided in the sole **160** so that the shoe heel **120** is vertical. In this case,

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the support member **121** has a semicircular arch shape corresponding to the slot **161**.

The elastic member **122** protrudes from the upper end of the support member **121** in an inward direction. In this case, the elastic member **122** is coupled to the inner upper end of the support member **121**. Here, the elastic member **122** and the support member **121** may be coupled in one of adhesion, Velcro detachable coupling, and uneven coupling methods.

FIG. 9 is a schematic view illustrating a modification of the elastic member in the easy-to-wear functional shoe according to one embodiment of the present invention.

Referring to FIG. 9, the elastic member **122** protrudes inward from the support member **121**. In this case, the elastic member **122** includes a wearing surface **122a**, a seating surface **122b**, and a protective surface **122c**.

The wearing surface **122a** is a section inclined inward in a direction toward the lower side.

The seating surface **122b** is a section connected to a lower end of the wearing surface **122a** and inclined outward in a direction toward the lower side.

The protective surface **122c** refers to a section extending downward from the seating surface **122b**. The protective surface **122c** improves wearing sensation of the foot heel **11**. In this case, the protective surface **122c** may extend up to the slot **161** having a semicircular arch shape and provided in the sole **160** and may thus be coupled to the slot **161**.

Here, the protective surface **122c** may be coupled to the slot **161** together while adhering to the support member **121**.

FIG. 10 is a schematic view illustrating a modification of the support member in the easy-to-wear functional shoe according to one embodiment of the present invention.

Referring to FIG. 10, the support member **121** has a semicircular arch shape surrounding the shoe heel **120**. A bottom surface **121a** that is adhesively coupled to the sole **160** is integrally formed at a lower end of the support member **121**.

The bottom surface **121a** has a shape forming a bottom plate of the support member **121** and also functions to supplement the strength so that the support member **121** may maintain the shape.

Further, the bottom surface **121a** may be formed to be fitted in or unevenly coupled to the sole **160**.

FIG. 11 is a cross-sectional view of an easy-to-wear functional shoe according to another embodiment of the present invention, and FIG. 12 is a schematic view for describing a support member and an elastic member.

Referring to FIGS. 11 and 12 together, the upper end of the support member **121** is bent outward in the shoe heel **120** of the easy-to-wear functional shoe according to another embodiment of the present invention.

That is, an inclined section **121b** extending outward is provided at the upper end of the support member **121**. The inclined section **121b** may more effectively couple the elastic member **122** by increasing an adhesive force.

In other words, when the foot heel **11** of the wearer presses the inner skin **130** surrounding the wearing surface **122a** of the elastic member **122**, a load is applied to the elastic member **122** rearward or downward.

In this case, the inclined section **121b** supports the elastic member **122**. At the same time, the inclined section **121b** is formed in a shape inclined outward in a direction toward the upper side with respect to the upper end of the support member **121**.

Accordingly, the inclined section **121b** may guide a wearing path so that the foot **10** of the wearer may easily slide into the wearing groove **150**.

Further, the inclined section **121b** may be formed up to the upper end of the shoe heel **120** so that the shoe heel **120** is not bent. Thus, the upper end of the shoe heel **120**, that is, a portion thereof in contact with the foot heel **11** of the wearer, is prevented from being bent due to the inclined section **121b**, and thus the wearer may easily put on the shoes.

FIG. **13** is a schematic view illustrating a modification of the elastic member in the easy-to-wear functional shoe according to another embodiment of the present invention.

Referring to FIG. **13**, the elastic member **122** protrudes inward from the support member **121**. In this case, the elastic member **122** includes the wearing surface **122a**, the seating surface **122b**, and the protective surface **122c**.

Among the listed components, the already described contents are duplicated and thus will be omitted. Thus, only modified parts will be described.

The wearing surface **122a** of the elastic member **122** has a shape that is convex inward and concave outward. In this case, an outer surface of the wearing surface **122a** has a shape corresponding to an inner surface of the inclined section **121b** of the support member **121**.

Accordingly, the elastic member **122** may be more firmly coupled to the support member **121**.

Meanwhile, the protective surface **122c** is coupled to the entire support member **121** having a semicircular arch shape and thus may attenuate an impact transmitted to the foot heel **11** of the wearer.

FIG. **14** is a schematic view illustrating a modification of the support member in the easy-to-wear functional shoe according to another embodiment of the present invention.

Referring to FIG. **14**, the support member **121** having a semicircular arch shape and surrounding the shoe heel **120** may be provided with a bottom surface **121a**.

The bottom surface **121a** has a shape forming a bottom plate of the support member **121** and also functions to supplement the strength so that the support member **121** may maintain the shape.

Further, the bottom surface **121a** may be formed to be fitted in or unevenly coupled to the sole **160**.

FIG. **15** is a sectional-sectional view illustrating the modification of the elastic member in the easy-to-wear functional shoe according to another embodiment of the present invention.

Referring to FIG. **15**, the elastic member **122** is adhesively coupled to an upper end of the inclined section **121b**. In this case, the elastic member **122** may be provided to protrude to the upper end of the shoe heel **120**.

The elastic member **122** has a structure protruding toward the upper end and the front side with respect to the shoe heel **120**, and thus the present invention provides the effect of preventing a heel injury that may occur when the wearer puts on or takes off the shoe.

Here, in order for the wearer to easily put on or take off the shoe, the elastic member **122** should be elastically deformed in a state in which the shoe heel **120** maintains the shape. Thus, an angle α of the inclined section **121b** formed at the upper surface of the support member **121** may be an obtuse angle.

In general, when the wearing groove **150** is wide or the shoe heel **120** is low, the wearer may easily put on or take off the shoe. To this end, in the present invention, lengths $d1$ and $d2$ of the shoe heel **120** may be lowered by 5 to 10 mm more than in other embodiments, and the elastic member **122** may be formed to protrude from the upper end of the support member **121** by the lowered lengths.

In this case, the lengths $d1$ and $d2$ of the shoe heel **120** and the length of the support member **121** may be the same. This is because the shoe heel **120** may effectively maintain the shape only when the lengths $d1$ and $d2$ of the shoe heel **120** and the length of the support member **121** are the same.

FIG. **16** is a sectional-sectional view of an easy-to-wear functional shoe according to still another embodiment of the present invention.

Referring to FIG. **16**, the support member **121** may be formed not between the inner skin **130** and the outer skin **140** of the shoe heel **120** but outside the outer skin **140**.

The support member **121** may be formed integrally with the inner skin **130** and the outer skin **140** of the shoe heel **120**.

The elastic member **122** may be formed but between the inner skin **130** and the outer skin **140** of the shoe heel **120** but inside the inner skin **130** and thus may come into direct contact with the foot heel **11**.

Here, the elastic member **122** may be formed to be detachably attached to the inner skin **130**.

That is, since the foot heel **11** of the wearer may come into contact with the elastic member **122** by itself, the elastic member **122** may be detachably attached to the inner skin **130** to enable washing of the shoe. In this case, the elastic member **122** and the inner skin **130** may be detachably attached in the form of Velcro or may be detachably attached in the form capable of uneven coupling.

FIGS. **17** and **18** are schematic views illustrating a modification of a support member in the easy-to-wear functional shoe according to still another embodiment of the present invention.

First, referring to FIG. **17**, the support member **121** has a semicircular arch shape. The support member **121** has a shape having both ends inclined downward in a direction toward the inner side with respect to a heel.

Accordingly, the heel of the support member **121** is formed to have a length corresponding to the shoe heel **120** of the shoe, but both ends of the support member **121** are formed to surround only a portion of a section next to the shoe heel **120** of the shoe.

Next, referring to FIG. **18**, the support member **121** may include the bottom surface **121a**.

The bottom surface **121a** has a shape forming a bottom plate of the support member **121** and also functions to supplement the strength so that the support member **121** may maintain the shape.

Further, the bottom surface **121a** may be formed to be fitted in or unevenly coupled to the sole **160**.

Meanwhile, although not illustrated, the support member **121** may be provided between the inner skin **130** and the outer skin **140**, and the elastic member **122** may be detachably attached to the support member **121** outside the inner skin **130** and the outer skin **140**. That is, the elastic member **122** may be formed to cover the upper end of the support member **121** formed in a semicircular arch shape.

In other words, the elastic member **122** may include a jig (not illustrated) at a connection part between the support member **121** and the elastic member **122** to be connected to the support member **121**. The jig may be provided on one side of the elastic member **122** and fit the elastic member **122** in the support member **121**.

Here, a portion of the support member **121**, which is coupled to the jig, is formed to have a size corresponding to the jig. Thus, the support member **121** may be provided with a separate fitting groove (not illustrated) to which the jig is connected.

The fitting groove may be provided at a portion of the upper end of the heel of the support member **121** and have a structure which the jig of the elastic member **122** is fitted in and inserted into.

The present invention is not limited to the above-described embodiments and can be variously modified and implemented without departing from the allowable scope of the technical spirit of the present invention.

INDUSTRIAL APPLICABILITY

As described above, the embodiments of the present invention may be applied to a functional shoe which a wearer may easily put on without bending his/her waist or using his/her hand when putting on the shoe.

The invention claimed is:

1. An easy-to-wear functional shoe having a shoe heel and a sole, the functional shoe comprising:
 - a support member that supports the shoe heel; and
 - an elastic member that is coupled to an upper portion of the support member and protrudes inward from the functional shoe,
 wherein the support member is substantially perpendicularly directly coupled to the sole at a lower end of the support member,
 - wherein an amount of a portion of the elastic member protruded from the support member gradually decreases toward side edges of the shoe heel in a plan view of the functional shoe,
 - wherein the support member has a semicircular arch shape surrounding the shoe heel,
 - wherein an entire region of the lower end of the support member is coupled to a slot provided in the sole,
 - wherein the elastic member includes:
 - a wearing surface that is inclined inward in a direction toward a lower side of the functional shoe; and
 - a seating surface that is inclined outward in a direction toward the lower side, and surrounds a foot heel,
 wherein an upper end of the wearing surface contacts the support member,
 - a lower end of the wearing surface contacts an upper end of the seating surface, and
 - a lower end of the seating surface contacts the support member,
 - wherein the elastic member further includes a protective surface extending downward from both ends of left and right sides of the seating surface, and
 - wherein an angle formed between the wearing surface and a horizontal line, which is parallel to the ground and passes through a contact point of the wearing surface and the seating surface is smaller than an angle formed between the seating surface and the horizontal line.
2. The easy-to-wear functional shoe of claim 1, wherein the support member is formed up to an upper end of the shoe heel.
3. The easy-to-wear functional shoe of claim 1, wherein the elastic member is elastically deformed in a front-rear direction according to an external force caused by being in contact with a foot heel of a wearer.
4. The easy-to-wear functional shoe of claim 1, wherein the elastic member is made of any one of rubber and urethane.
5. The easy-to-wear functional shoe of claim 1, wherein the support member is made of a material having hardness sufficient to not allow the shoe heel to fold inward even by an external force applied by a wearer.

6. The easy-to-wear functional shoe of claim 1, wherein the support member is made of a reinforced plastic material.

7. The easy-to-wear functional shoe of claim 1, wherein an inclined section extending outward is formed at an upper end of the support member.

8. The easy-to-wear functional shoe of claim 1, wherein the support member and the elastic member are provided between an inner skin and an outer skin of the shoe heel.

9. The easy-to-wear functional shoe of claim 1, wherein the support member is made of carbon fiber.

10. The easy-to-wear functional shoe of claim 1, wherein the support member is substantially a rectangular shape.

11. The easy-to-wear functional shoe of claim 1, wherein the support member is substantially a rectangular shape with curved upper left and right corners.

12. An easy-to-wear functional shoe having a shoe heel and a sole, the functional shoe comprising:

- a support member that supports the shoe heel; and
- an elastic member that is coupled to an upper portion of the support member and protrudes inward from the functional shoe,

wherein the support member is substantially perpendicularly directly coupled to the sole at a lower end of the support member,

wherein an amount of a portion of the elastic member protruded from the support member gradually decreases toward side edges of the shoe heel in a plan view of the functional shoe,

wherein the support member has a semicircular arch shape surrounding the shoe heel,

wherein an entire region of the lower end of the support member is coupled to a slot provided in the sole, and

wherein an amount of a portion of the elastic member protruded from the support member at an upper end of the elastic member gradually decreases toward a lower end of the elastic member in a side view of the functional shoe.

13. An easy-to-wear functional shoe having a shoe heel and a sole, the functional shoe comprising:

- a support member that supports the shoe heel; and
- an elastic member that is coupled to an upper portion of the support member and protrudes inward from the functional shoe,

wherein the support member is substantially perpendicularly directly coupled to the sole at a lower end of the support member,

wherein an amount of a portion of the elastic member protruded from the support member gradually decreases toward side edges of the shoe heel in a plan view of the functional shoe,

wherein the support member has a semicircular arch shape surrounding the shoe heel,

wherein an entire region of the lower end of the support member is coupled to a slot provided in the sole,

wherein the elastic member includes:

- a wearing surface that is inclined inward in a direction toward a lower side of the functional shoe; and
- a seating surface that is inclined outward in a direction toward the lower side, and surrounds a foot heel,

wherein an upper end of the wearing surface contacts the support member,

a lower end of the wearing surface contacts an upper end of the seating surface, and

a lower end of the seating surface contacts the support member,

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wherein the elastic member further includes a protective surface extending downward from both ends of left and right sides of the seating surface, and

wherein the wearing surface has a shape that is convex inward and concave outward.

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14. The easy-to-wear functional shoe of claim 13, wherein the support member comprises an inclined section at the upper portion of the support member, and

an outer surface of the wearing surface has a shape corresponding to an inner surface of the inclined section of the support member.

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