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(54) **THERMOBOTTLE**

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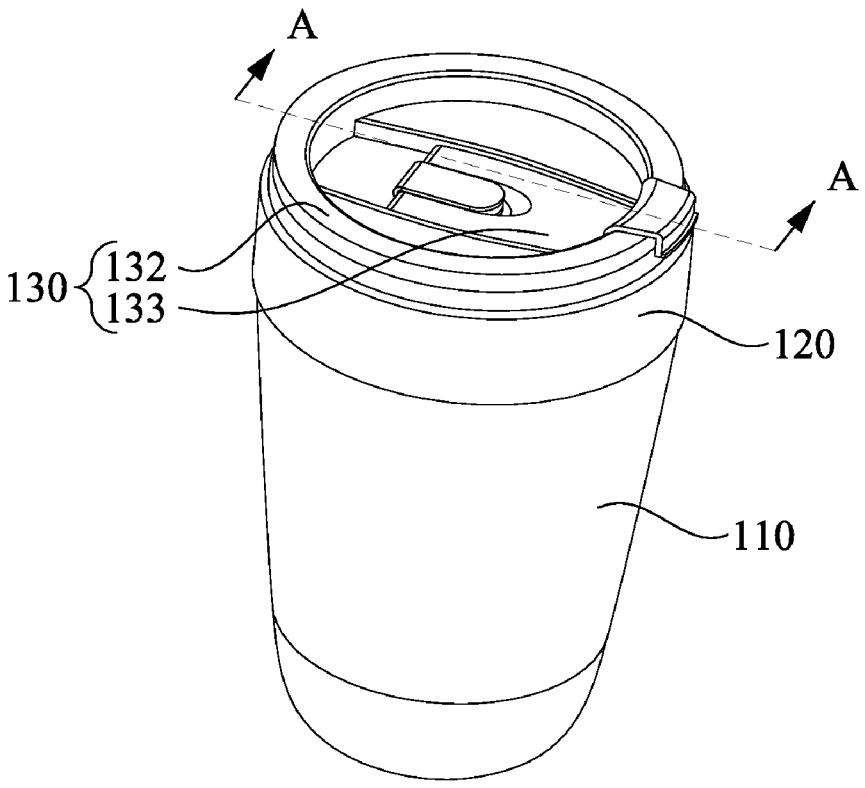
(57) **ABSTRACT**

A thermobottle includes an outer mug, a sleeve, an inner mug and a cover. The sleeve includes a first abutting portion. The inner mug is sleeved within the sleeve. The first abutting portion abuts against an inner wall of the outer mug to accommodate the inner mug within the outer mug. The cover includes a second abutting portion which has the same shape and dimensions as the first abutting portion. The second abutting portion abuts against an inner wall of the inner mug or the inner wall of the outer mug. When the second abutting portion abuts against the inner wall of the outer mug, the cover seals the outer mug with the inner mug removed. When the second abutting portion abuts against the inner wall of the inner mug, the cover seals the inner mug.



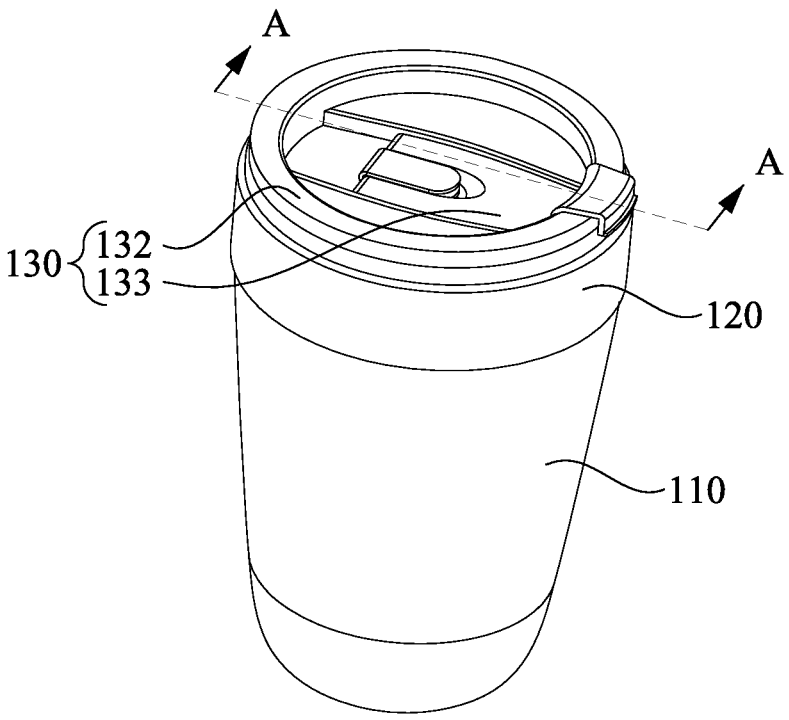


Fig. 1

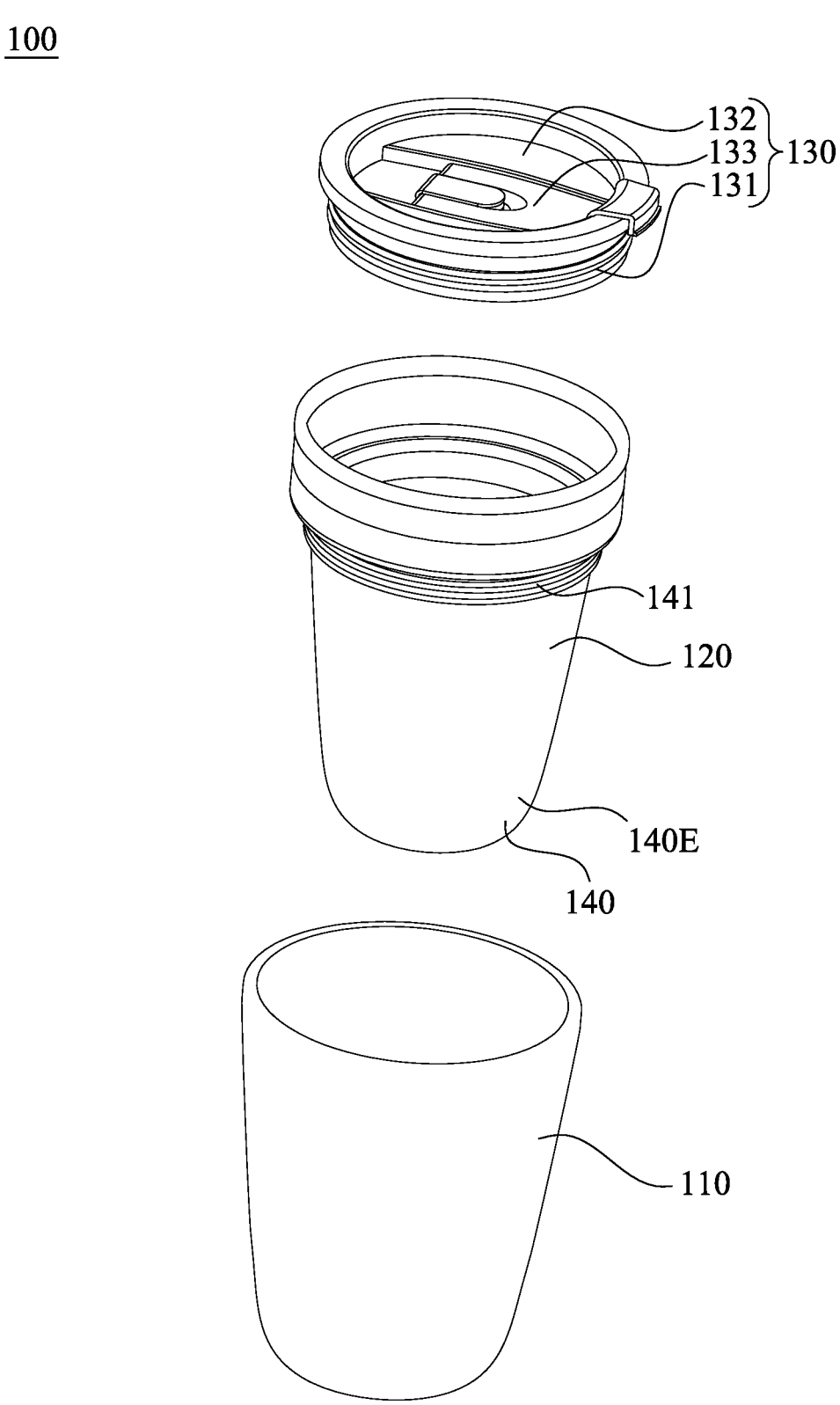


Fig. 2

A-A

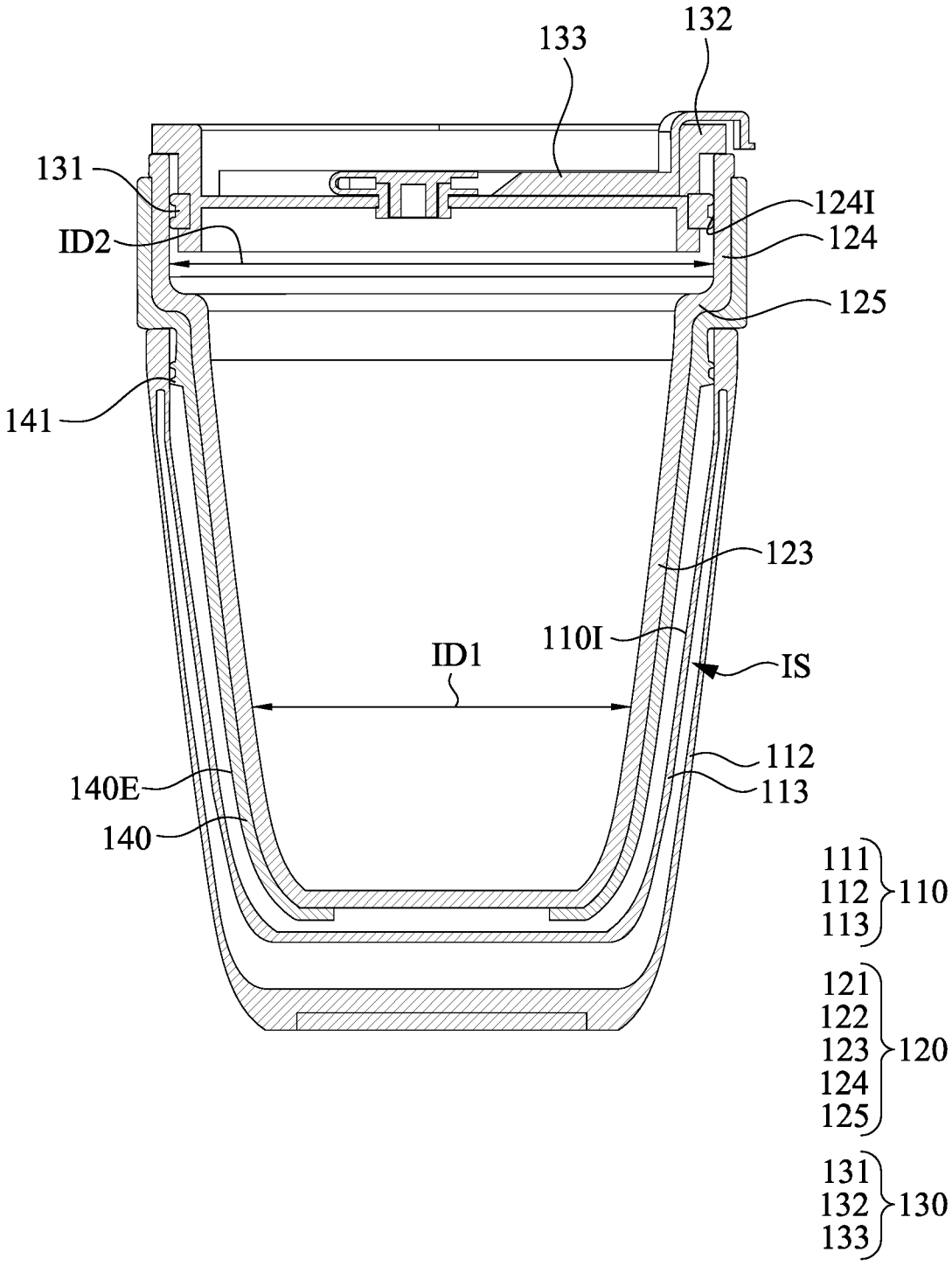

133
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Fig. 3

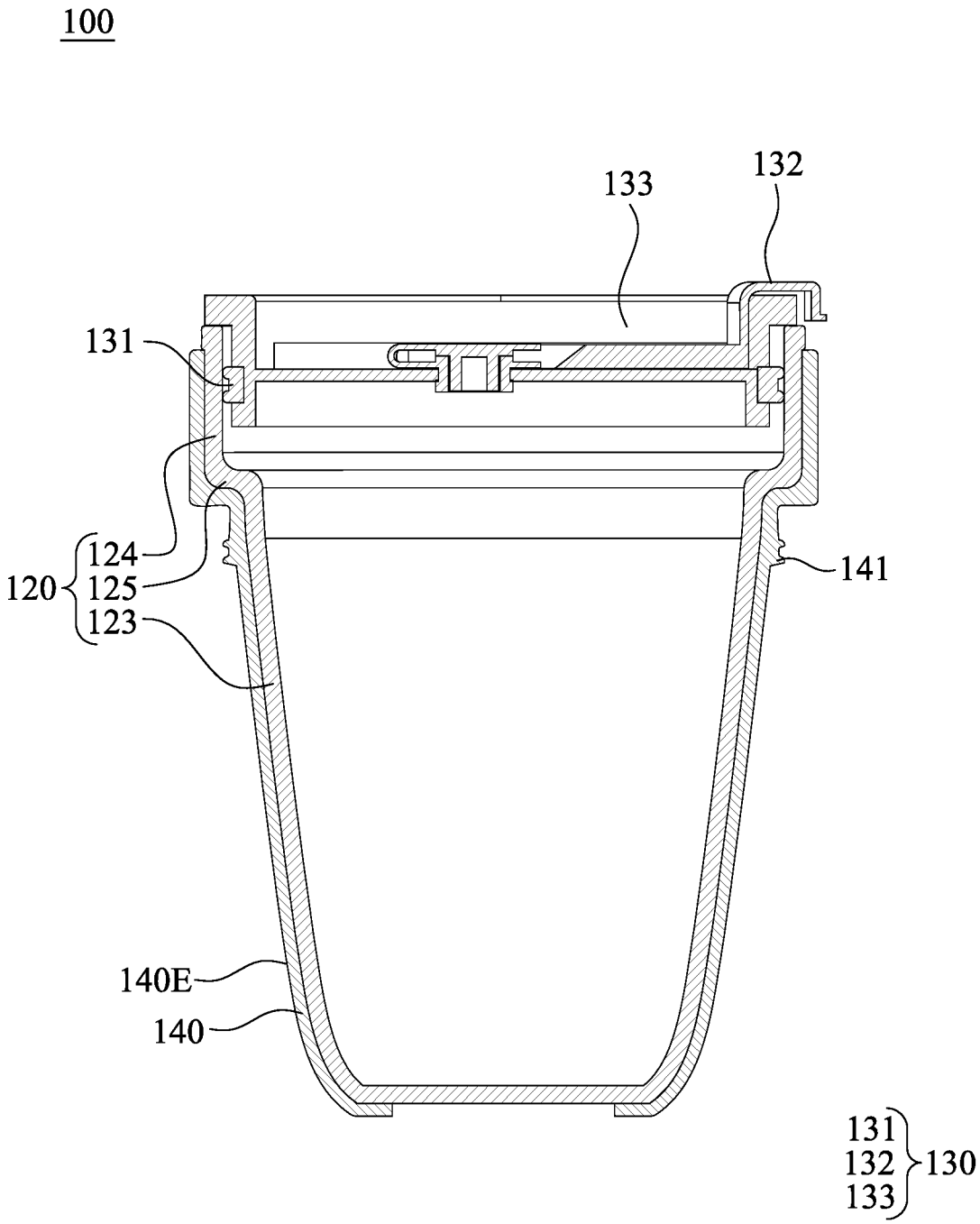

Fig. 4

100

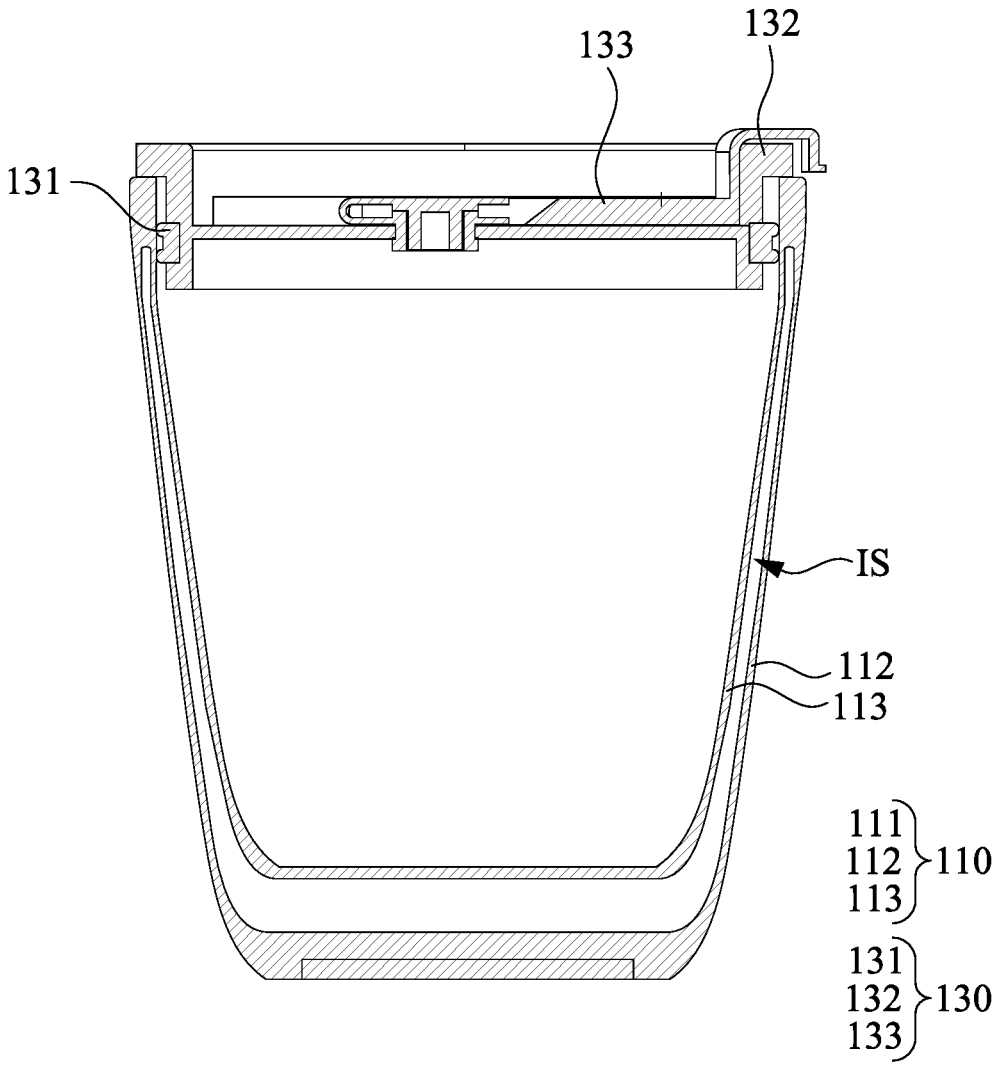

Fig. 5

100

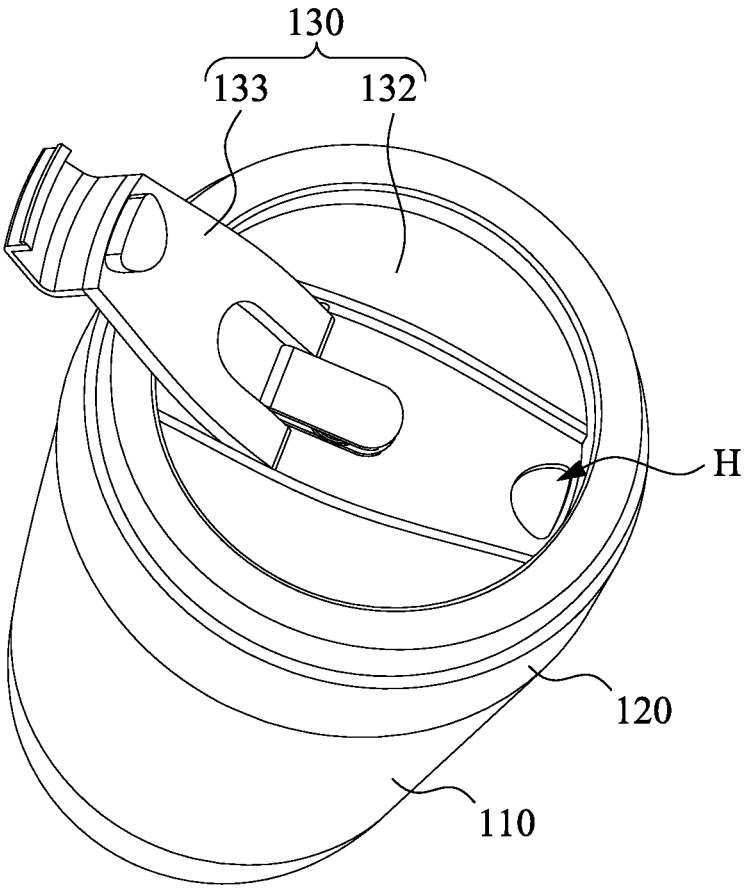

Fig. 6

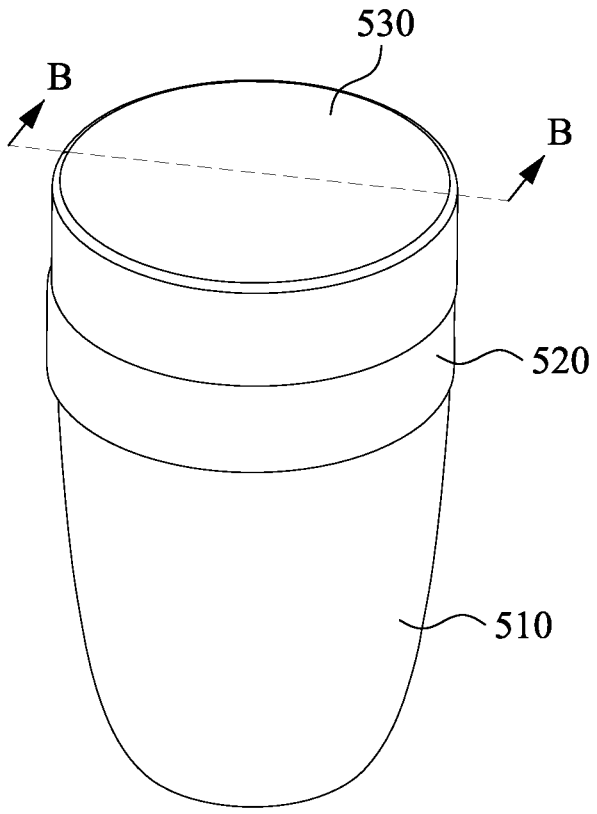

Fig. 7

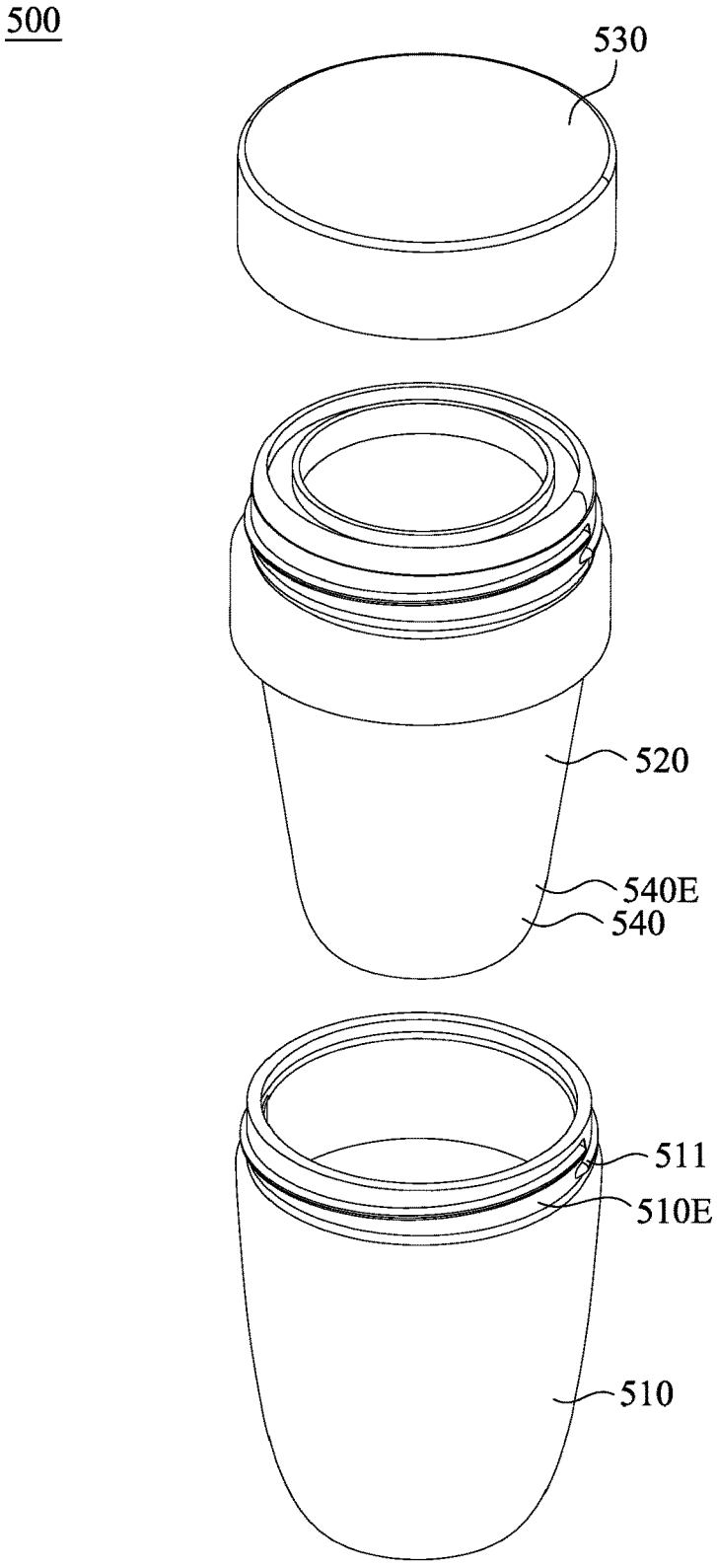

Fig. 8

B-B

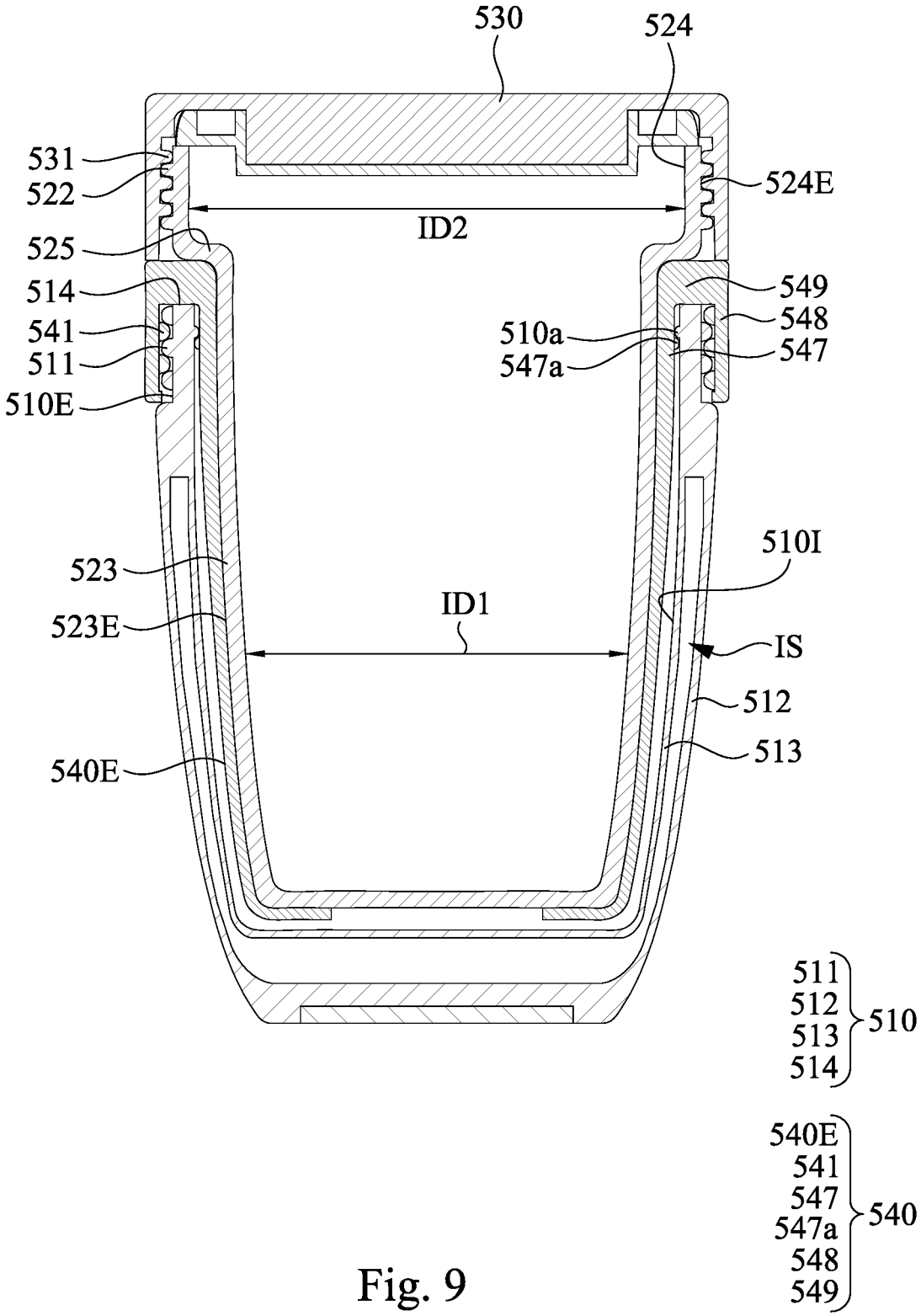
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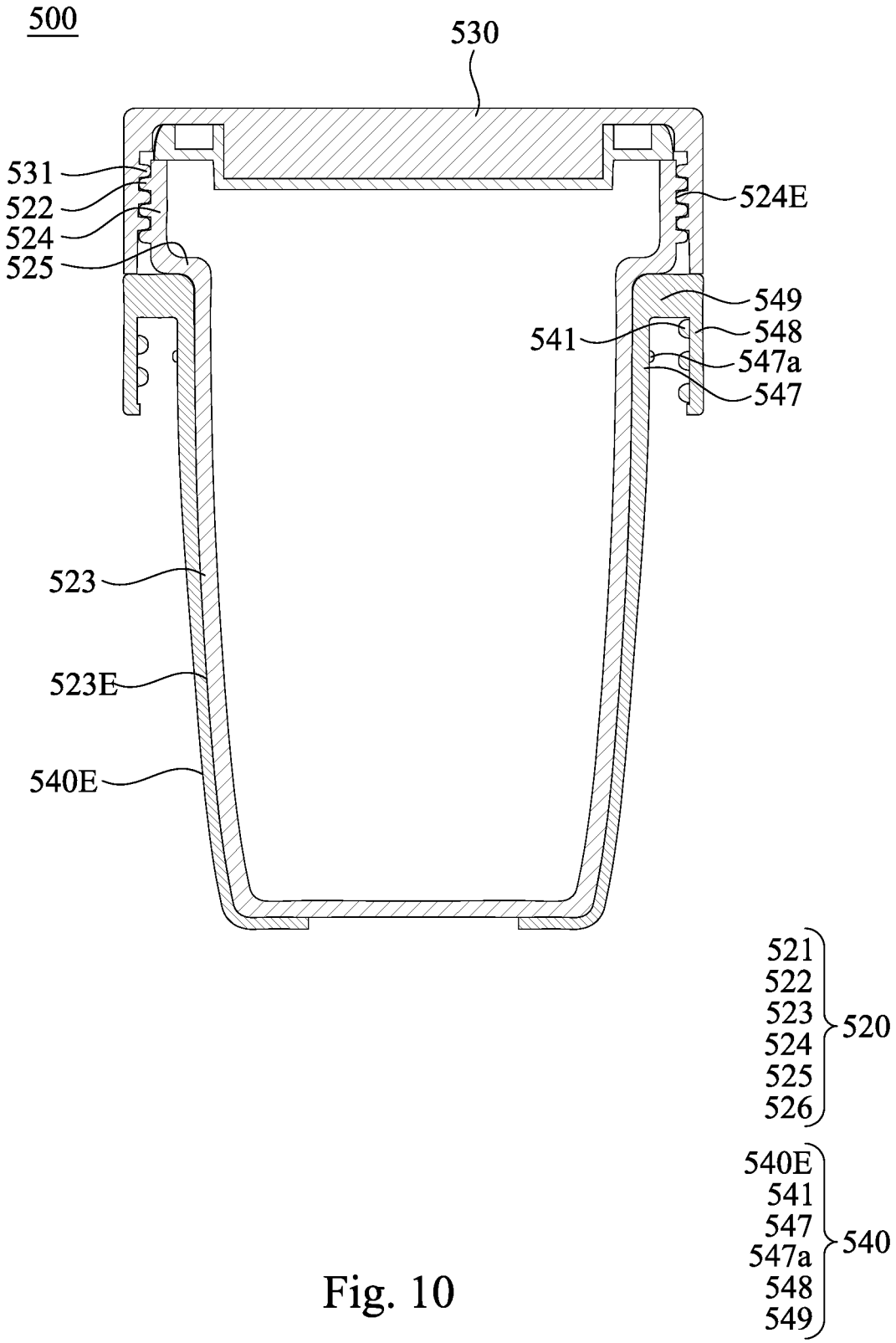
Fig. 9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540

Fig. 10

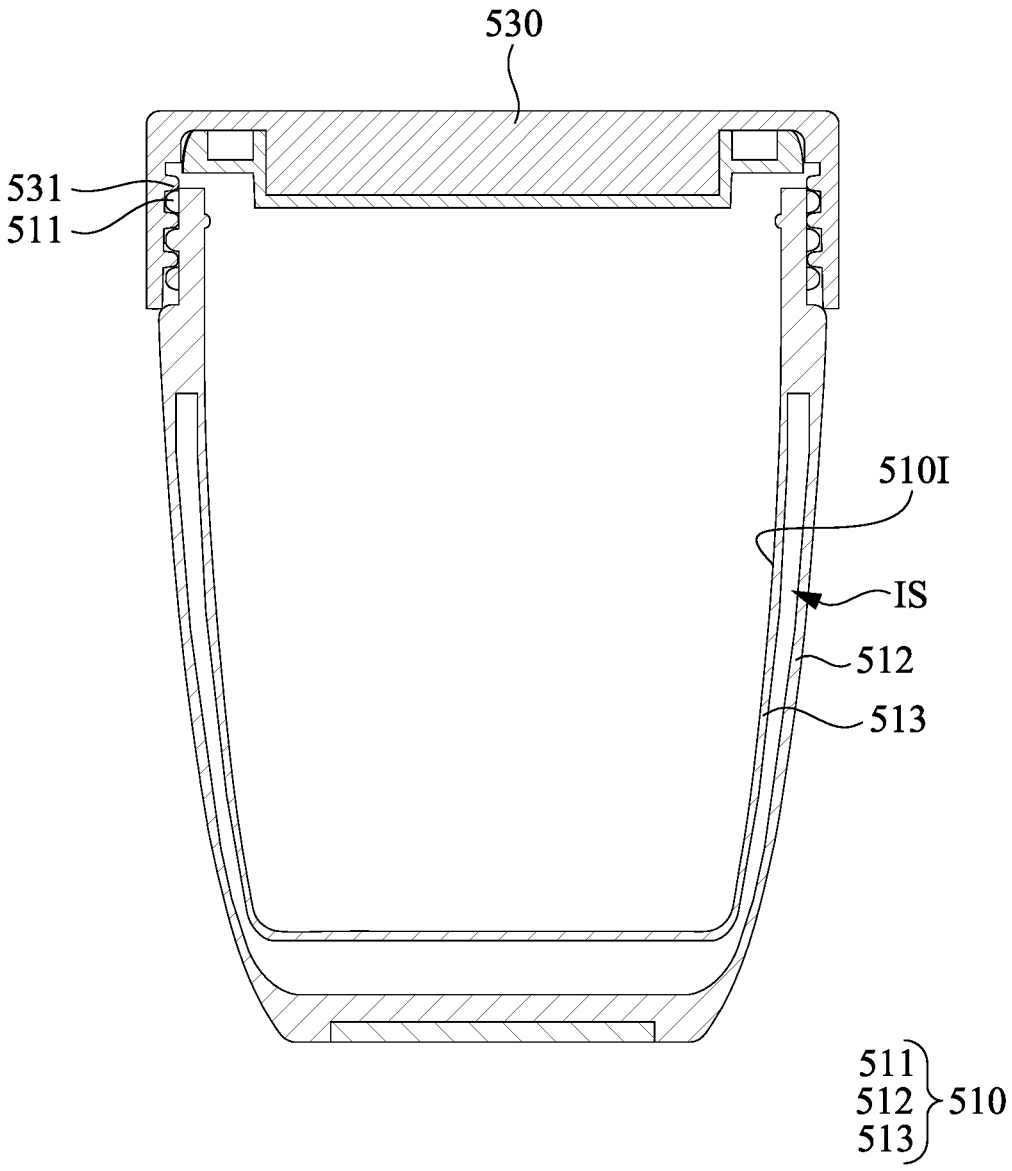

Fig. 11

THERMOBOTTLE

RELATED APPLICATIONS

[0001] This application claims priority to Taiwan Application Serial Number 109118169, filed on May 29, 2020, which is herein incorporated by reference.

BACKGROUND

Technical Field

[0002] The present disclosure relates to thermobottles.

Description of Related Art

[0003] With the improvement of the living standards nowadays, people have learnt more about health preservation. In daily life, many people are used to carrying a thermobottle when going out, so that they can replenish their body with water when needed.

[0004] However, with the increasing demand of consumers, apart from warm water, consumers also want their thermobottles to be suitable for containing different beverages. Therefore, how to make thermobottles suitable for containing beverages with different properties is undoubtedly an important direction of development of the industry.

SUMMARY

[0005] A technical aspect of the present disclosure is to provide a thermobottle, which can enhance the flexibility of usage and provide convenience to the user.

[0006] According to an embodiment of the present disclosure, a thermobottle includes an outer mug, a sleeve, an inner mug and a cover. The sleeve includes a first abutting portion. The inner mug is at least partially sleeved within the sleeve. The first abutting portion is configured to abut against an inner wall of the outer mug to allow the inner mug to be at least partially accommodated within the outer mug. The cover includes a second abutting portion. The second abutting portion and the first abutting portion substantially have the same shape and dimensions. The second abutting portion is configured to abut against an inner wall of the inner mug or the inner wall of the outer mug. When the second abutting portion abuts against the inner wall of the outer mug, the cover seals the outer mug with the inner mug removed from the outer mug. When the second abutting portion abuts against the inner wall of the inner mug, the cover seals the inner mug.

[0007] In one or more embodiments of the present disclosure, the inner mug includes a first mug body, a second mug body and a third mug body. The first mug body has a first inner diameter. The first abutting portion corresponds with the first mug body. The second mug body has a second inner diameter. The second inner diameter is larger than the first inner diameter. The third mug body is connected between the first mug body and the second mug body.

[0008] In one or more embodiments of the present disclosure, the first abutting portion also surrounds to form an annular shape.

[0009] In one or more embodiments of the present disclosure, the first mug body and the third mug body are located within the sleeve. The second mug body is at least partially located outside the sleeve.

[0010] In one or more embodiments of the present disclosure, the cover includes a main body and a flip cover. The main body has a through hole. The flip cover is pivotally connected with the main body and is configured to seal the through hole.

[0011] In one or more embodiments of the present disclosure, the outer mug includes an outer structure and an inner structure. The outer structure and the inner structure are at least partially separated from each other and define an insulating space therebetween.

[0012] In one or more embodiments of the present disclosure, the outer mug and the inner mug are made of different materials.

[0013] In one or more embodiments of the present disclosure, the outer mug is made of stainless steel.

[0014] In one or more embodiments of the present disclosure, the inner mug is made of porcelain.

[0015] In one or more embodiments of the present disclosure, the sleeve is made of silicon.

[0016] According to another embodiment of the present disclosure, a thermobottle includes an outer mug, a sleeve, an inner mug and a cover. The outer mug includes a first coupling portion. The sleeve includes a second coupling portion. The inner mug is at least partially sleeved within the sleeve. The inner mug includes a third coupling portion. The second coupling portion is configured to detachably couple with the first coupling portion to allow the inner mug to be at least partially accommodated within the outer mug. The third coupling portion and the first coupling portion substantially have the same shape and dimensions. The cover includes a fourth coupling portion. The fourth coupling portion and the second coupling portion substantially have the same shape and dimensions. The fourth coupling portion is configured to suitably couple with the first coupling portion or the third coupling portion. When the fourth coupling portion is coupled with first coupling portion, the cover seals the outer mug with the inner mug removed from the outer mug. When the fourth coupling portion is coupled with the third coupling portion, the cover seals the inner mug.

[0017] In one or more embodiments of the present disclosure, the first coupling portion is disposed on an outer wall of the outer mug. The inner mug includes a first mug body, a second mug body and a third mug body. The first mug body has a first inner diameter. The second mug body has a second inner diameter. The second inner diameter is larger than the first inner diameter. The third coupling portion is disposed on an outer wall of the second mug body. The third mug body is connected between the first mug body and the second mug body. The sleeve includes an inner ring, an outer ring and a supporting portion. The inner ring surrounds and connects with an outer wall of the first mug body. The second coupling portion is located on a side of the outer ring facing to the inner ring. The supporting portion is connected between the inner ring and the outer ring. The supporting portion is configured to be at least partially supported by an edge of the outer mug.

[0018] In one or more embodiments of the present disclosure, the first coupling portion is an external thread structure, while the second coupling portion is an inner thread structure.

[0019] In one or more embodiments of the present disclosure, the inner ring has a first snapping portion. The first snapping portion is disposed on a side of the inner ring facing to the outer ring. The outer mug has a second snapping portion. The second snapping portion is disposed

on an inner wall of the outer mug. The first snapping portion and the second snapping portion are configured to snap with each other.

[0020] In one or more embodiments of the present disclosure, the first mug body is at least partially located within the inner ring, while the second mug body is located outside the inner ring.

[0021] In one or more embodiments of the present disclosure, the outer mug includes an outer structure and an inner structure. The outer structure and the inner structure are at least partially separated from each other and define an insulating space therebetween.

[0022] In one or more embodiments of the present disclosure, the outer mug and the inner mug are made of different materials.

[0023] In one or more embodiments of the present disclosure, the outer mug is made of stainless steel.

[0024] In one or more embodiments of the present disclosure, the inner mug is made of porcelain.

[0025] In one or more embodiments of the present disclosure, the sleeve is made of silicon.

[0026] When compared with the prior art, the above-mentioned embodiments of the present disclosure have at least the following advantages:

[0027] (1) Since the user can choose to contain the beverage in either the outer mug or the inner mug of the thermobottle in a simple and easy manner according to the properties of the beverage or his/her personal preference, the flexibility to use the thermobottle can be enhanced.

[0028] (2) A single one of the cover can be used to seal the outer mug or the inner mug, which is convenient to the user.

BRIEF DESCRIPTION OF THE DRAWINGS

[0029] The disclosure can be more fully understood by reading the following detailed description of the embodiments, with reference made to the accompanying drawings as follows:

[0030] FIG. **1** is a schematic view of a thermobottle according to an embodiment of the present disclosure;

[0031] FIG. **2** is an exploded view of the thermobottle of FIG. **1**;

[0032] FIG. **3** is a sectional view along the section line A-A of FIG. **1**;

[0033] FIG. **4** is a sectional view of the thermobottle of FIG. **1**, in which the outer mug is removed;

[0034] FIG. **5** is a sectional view of the thermobottle of FIG. **1**, in which the inner mug is removed;

[0035] FIG. **6** is a schematic view of the thermobottle of FIG. **1**, in which the flip cover is opened to expose the through hole of the main body;

[0036] FIG. **7** is a schematic view of a thermobottle according to another embodiment of the present disclosure;

[0037] FIG. **8** is an exploded view of the thermobottle of FIG. **7**;

[0038] FIG. **9** is a sectional view along the section line B-B of FIG. **7**;

[0039] FIG. **10** is a sectional view of the thermobottle of FIG. **7**, in which the outer mug is removed; and

[0040] FIG. **11** is a sectional view of the thermobottle of FIG. **7**, in which the inner mug is removed.

DETAILED DESCRIPTION

[0041] Drawings will be used below to disclose embodiments of the present disclosure. For the sake of clear illustration, many practical details will be explained together in the description below. However, it is appreciated that the practical details should not be used to limit the claimed scope. In other words, in some embodiments of the present disclosure, the practical details are not essential. Moreover, for the sake of drawing simplification, some customary structures and elements in the drawings will be schematically shown in a simplified way. Wherever possible, the same reference numbers are used in the drawings and the description to refer to the same or like parts.

[0042] Unless otherwise defined, all terms (including technical and scientific terms) used herein have the same meanings as commonly understood by one of ordinary skill in the art to which this disclosure belongs. It will be further understood that terms, such as those defined in commonly used dictionaries, should be interpreted as having a meaning that is consistent with their meaning in the context of the relevant art and the present disclosure, and will not be interpreted in an idealized or overly formal sense unless expressly so defined herein.

[0043] Reference is made to FIGS. **1-3**. FIG. **1** is a schematic view of a thermobottle **100** according to an embodiment of the present disclosure. FIG. **2** is an exploded view of the thermobottle **100** of FIG. **1**. FIG. **3** is a sectional view along the section line A-A of FIG. **1**. In this embodiment, as shown in FIGS. **1-3**, a thermobottle **100** includes an outer mug **110**, an inner mug **120** and a cover **130**. Both of the outer mug **110** and the inner mug **120** are suitable for containing beverages. In practice, the outer mug **110** and the inner mug **120** are made of different materials. Thus, the outer mug **110** and the inner mug **120** can be suitable for containing different beverages because of the difference between their materials. For example, the outer mug **110** can be made of stainless steel, while the inner mug **120** can be made of porcelain. However, this does not intend to limit the present disclosure. Structurally speaking, as shown in FIG. **3**, the outer mug **110** includes an outer structure **112** and an inner structure **113**. The outer structure **112** and the inner structure **113** are at least partially separated from each other and define an insulating space IS therebetween, which facilitates the maintenance of temperature of the beverage contained within the outer mug **110**.

[0044] To be specific, the thermobottle **100** further includes a sleeve **140**. The inner mug **120** is at least partially sleeved within the sleeve **140**. The sleeve **140** includes a first abutting portion **141**. The first abutting portion **141** of the sleeve **140** is configured to abut against an inner wall **1101** of the outer mug **110**, in order to allow the inner mug **120** to be at least partially accommodated within the outer mug **110**. In addition, the cover **130** includes a second abutting portion **131**. The second abutting portion **131** of the cover **130** and the first abutting portion **141** of the sleeve **140** substantially have the same shape and dimensions. Moreover, the second abutting portion **131** of the cover **130** is configured to abut against an inner wall **1241** of the inner mug **120** or the inner wall **1101** of the outer mug **110**. In other words, according to the actual situation, the cover **130** can be used to cover the outer mug **110** or the inner mug **120**. For example, as shown in FIG. **3**, when the second abutting

portion **131** of the cover **130** abuts against the inner wall **1241** of the inner mug **120**, the cover **130** seals the inner mug **120**.

[0045] Furthermore, as shown in FIG. **3**, the inner mug **120** includes a first mug body **123**, a second mug body **124** and a third mug body **125**. The first mug body **123** has a first inner diameter ID**1**. The first abutting portion **141** of the sleeve **140** is located at an outer wall **140**E of the sleeve **140** and corresponds with the first mug body **123**. The second mug body **124** has a second inner diameter ID**2**. The second inner diameter ID**2** of the second mug body **124** is larger than the first inner diameter ID**1** of the first cup mug **123**. The third mug body **125** is connected between the first mug body **123** and the second mug body **124**.

[0046] To be more specific, in this embodiment, first abutting portion **141** of the sleeve **140** surrounds to form an annular shape. As mentioned above, the second abutting portion **131** of the cover **130** and the first abutting portion **141** of the sleeve **140** substantially have the same shape and dimensions. Therefore, the second abutting portion **131** of the cover **130** also surrounds to form an annular shape.

[0047] In practical applications, the material of the sleeve **140** is silicon. The first mug body **123** and the third mug body **125** of the inner mug **120** are located within the sleeve **140**, while the second mug body **124** is at least partially located outside the sleeve **140**.

[0048] Reference is made to FIG. **4**. FIG. **4** is a sectional view of the thermobottle **100** of FIG. **1**, in which the outer mug **110** is removed. In practical applications, when the second abutting portion **131** of the cover **130** abuts against the inner wall **1241** of the inner mug **120**, such that the cover **130** seals the inner mug **120**, the outer mug **110** can be separated from the inner mug **120**, as shown in FIG. **4** in which the outer mug **110** is removed. Therefore, the flexibility to use the thermobottle **100** can be enhanced.

[0049] Reference is made to FIG. **5**. FIG. **5** is a sectional view of the thermobottle **100** of FIG. **1**, in which the inner mug **120** is removed. In practical applications, when the user thinks the outer mug **110** is more suitable to contain a particular beverage than the inner mug **120** does, the user can remove the inner mug **120** from the outer mug **110**, as shown in FIG. **5**. When the second abutting portion **131** of the cover **130** abuts against the inner wall **1101** of the outer mug **110**, the cover **130** seals the outer mug **110**.

[0050] In a nutshell, the user can choose to contain the beverage in either the outer mug **110** or the inner mug **120** of the thermobottle **100** in a simple and easy manner according to the properties of the beverage or his/her personal preference. Thus, the flexibility to use the thermobottle **100** can be enhanced. Moreover, a single one of the cover **130** can be used to seal the outer mug **110** or the inner mug **120**, which is convenient to the user.

[0051] Reference is made to FIG. **6**. FIG. **6** is a schematic view of the thermobottle **100** of FIG. **1**, in which the flip cover **133** is opened to expose the through hole H of the main body **132**. In this embodiment, as shown in FIG. **6**, the cover **130** includes a main body **132** and a flip cover **133**. The main body **132** has a through hole H. The flip cover **133** is pivotally connected with the main body **132**. Moreover, the flip cover **133** is configured to seal the through hole H of the main body **132**. When the flip cover **133** is opened to expose the through hole H of the main body **132**, the user can pour the beverage out of the thermobottle **100** in a simple and easy manner.

[0052] Reference is made to FIGS. **7-9**. FIG. **7** is a schematic view of a thermobottle **500** according to another embodiment of the present disclosure. FIG. **8** is an exploded view of the thermobottle **500** of FIG. **7**. FIG. **9** is a sectional view along the section line B-B of FIG. **7**. In this embodiment, as shown in FIGS. **7-9**, a thermobottle **500** includes an outer mug **510**, an inner mug **520** and a cover **530**. Similarly, both of the outer mug **510** and the inner mug **520** are suitable for containing beverages. In practice, the outer mug **510** and the inner mug **520** can be suitable for containing different beverages because of the difference between their materials. For example, the outer mug **510** can be made of stainless steel, while the inner mug **520** can be made of porcelain. However, this does not intend to limit the present disclosure. Structurally speaking, as shown in FIG. **9**, the outer mug **510** includes an outer structure **512** and an inner structure **513**. The outer structure **512** and the inner structure **513** are at least partially separated from each other and define an insulating space IS therebetween, which facilitates the maintenance of temperature of the beverage contained within the outer mug **510**.

[0053] To be specific, the outer mug **510** includes a first coupling portion **511**. Moreover, the thermobottle **500** further includes a sleeve **540**. The inner mug **520** is at least partially sleeved within the sleeve **540**. The sleeve **540** includes a second coupling portion **541**, while the inner mug **520** includes a third coupling portion **522**. The second coupling portion **541** of the sleeve **540** is configured to detachably couple with the first coupling portion **511** of the outer mug **510**, in order to allow the inner mug **520** to be at least partially accommodated within the outer mug **510**. The third coupling portion **522** of the inner mug **520** and the first coupling portion **511** of the outer mug **510** substantially have the same shape and dimensions. In addition, the cover **530** includes a fourth coupling portion **531**. The fourth coupling portion **531** of the cover **530** and the second coupling portion **541** of the sleeve **540** substantially have the same shape and dimensions. Moreover, the fourth coupling portion **531** of the cover **530** is configured to suitably couple with the first coupling portion **511** of the outer mug **510** or the third coupling portion **522** of the inner mug **520**. In other words, according to the actual situation, the cover **530** can be used to cover the outer mug **510** or the inner mug **520**. For example, as shown in FIG. **9**, when the fourth coupling portion **531** of the cover **530** is coupled with the third coupling portion **522** of the inner mug **520**, the cover **530** seals the inner mug **520**.

[0054] Furthermore, as shown in FIG. **9**, the first coupling portion **511** is disposed on an outer wall **510**E of the outer mug **510**. The inner mug **520** includes a first mug body **523**, a second mug body **524** and a third mug body **525**. The first mug body **523** has a first inner diameter ID**1**. The second mug body **524** has a second inner diameter ID**2**. The second inner diameter ID**2** of the second mug body **524** is larger than the first inner diameter ID**1** of the first mug body **523**. The third coupling portion **522** is disposed on an outer wall **524**E of the second mug body **524**. The third mug body **525** is connected between the first mug body **523** and the second mug body **524**. The sleeve **540** includes an inner ring **547**, an outer ring **548** and a supporting portion **549**. The inner ring **547** surrounds and connects with an outer wall **523**E of the first mug body **523**. The second coupling portion **541** is located on a side of the outer ring **548** facing to the inner ring **547**. The supporting portion **549** is connected between the

inner ring **547** and the outer ring **548**. The supporting portion **549** is configured to be at least partially supported by an edge **514** of the outer mug **510**.

[0055] To be specific, in this embodiment, the first coupling portion **511** of the outer mug **510** is an external thread structure, while the second coupling portion **541** of the sleeve **540** is an inner thread structure. As mentioned above, the third coupling portion **522** of the inner mug **520** and the first coupling portion **511** of the outer mug **510** substantially have the same shape and dimensions, while the fourth coupling portion **531** of the cover **530** and the second coupling portion **541** of the sleeve **540** also substantially have the same shape and dimensions. Therefore, the third coupling portion **522** of the inner mug **520** is an external thread structure, and the fourth coupling portion **131** of the cover **130** is an internal thread structure.

[0056] In practical applications, the material of the sleeve **540** is silicon. The first mug body **523** of the inner mug **520** is at least partially located within the inner ring **547** of the sleeve **540**, while the second mug body **524** is located outside the inner ring **547** of the sleeve **540**.

[0057] Furthermore, the inner ring **547** of the sleeve **540** has a first snapping portion **547***a*. The first snapping portion **547***a* is disposed on a side of the inner ring **547** facing to the outer ring **548**. The outer mug **510** has a second snapping portion **510***a*. The second snapping portion **510***a* is disposed on an inner wall **5101** of the outer mug **510**. The first snapping portion **547***a* of the sleeve **540** and the second snapping portion **510***a* of the outer mug **510** are configured to snap with each other, in order to fix the relative position of the inner mug **520** and the outer mug **510**.

[0058] Reference is made to FIG. **10**. FIG. **10** is a sectional view of the thermobottle **500** of FIG. **7**, in which the outer mug **510** is removed. In practical applications, when the fourth coupling portion **531** of the cover **530** is coupled with the third coupling portion **522** of the inner mug **520**, such that the cover **530** seals the inner mug **520**, the outer mug **510** can be separated from the inner mug **520**, as shown in FIG. **10** in which the outer mug **510** is removed. Therefore, the flexibility to use the thermobottle **500** can be enhanced.

[0059] Reference is made to FIG. **11**. FIG. **11** is a sectional view of the thermobottle **500** of FIG. **7**, in which the inner mug **520** is removed. Similarly, in practical applications, when the user thinks the outer mug **510** is more suitable to contain a particular beverage than the inner mug **520** does, the user can remove the inner mug **520** from the outer mug **510**, as shown in FIG. **11**. When the fourth coupling portion **531** of the cover **530** is coupled with first coupling portion **511** of the outer mug **510**, the cover **530** seals the outer mug **510**.

[0060] In a nutshell, the user can choose to contain the beverage in either the outer mug **510** or the inner mug **520** of the thermobottle **500** in a simple and easy manner according to the properties of the beverage or his/her personal preference. Thus, the flexibility to use the thermobottle **500** can be enhanced. Moreover, a single one of the cover **530** can be used to seal the outer mug **510** or the inner mug **520**, which is convenient to the user.

[0061] In conclusion, when compared with the prior art, the aforementioned embodiments of the present disclosure have at least the following advantages:

[0062] (1) Since the user can choose to contain the beverage in either the outer mug or the inner mug of the thermobottle in a simple and easy manner according to the properties of the beverage or his/her personal preference, the flexibility to use the thermobottle can be enhanced.

[0063] (2) A single one of the cover can be used to seal the outer mug or the inner mug, which is convenient to the user.

[0064] Although the present disclosure has been described in considerable detail with reference to certain embodiments thereof, other embodiments are possible. Therefore, the spirit and scope of the appended claims should not be limited to the description of the embodiments contained herein.

[0065] It will be apparent to the person having ordinary skill in the art that various modifications and variations can be made to the structure of the present disclosure without departing from the scope or spirit of the present disclosure. In view of the foregoing, it is intended that the present disclosure cover modifications and variations of the present disclosure provided they fall within the scope of the following claims.

What is claimed is:

1. A thermobottle, comprising:

an outer mug;

a sleeve comprising a first abutting portion;

an inner mug at least partially sleeved within the sleeve, the first abutting portion being configured to abut against an inner wall of outer mug to allow the inner mug to be at least partially accommodated within the outer mug; and

a cover comprising a second abutting portion, the second abutting portion and the first abutting portion substantially having same shape and dimensions, the second abutting portion being configured to abut against an inner wall of the inner mug or the inner wall of the outer mug,

wherein when the second abutting portion abuts against the inner wall of the outer mug, the cover seals the outer mug with the inner mug removed from the outer mug, when the second abutting portion abuts against the inner wall of the inner mug, the cover seals the inner mug.

2. The thermobottle of claim **1**, wherein the inner mug comprises:

a first mug body having a first inner diameter, the first abutting portion corresponds with the first mug body;

a second mug body having a second inner diameter, the second inner diameter is larger than the first inner diameter; and

a third mug body connected between the first mug body and the second mug body.

3. The thermobottle of claim **2**, wherein the first abutting portion surrounds to form an annular shape.

4. The thermobottle of claim **2**, wherein the first mug body and the third mug body are located within the sleeve, the second mug body is at least partially located outside the sleeve.

5. The thermobottle of claim **1**, wherein the cover comprises:

a main body having a through hole; and

a flip cover pivotally connected with the main body and configured to seal the through hole.

6. The thermobottle of claim **1**, wherein the outer mug comprises an outer structure and an inner structure, the outer structure and the inner structure are at least partially separated from each other and define an insulating space therebetween.

7. The thermobottle of claim 1, wherein the outer mug and the inner mug are made of different materials.

8. The thermobottle of claim 1, wherein the outer mug is made of stainless steel.

9. The thermobottle of claim 1, wherein the inner mug is made of porcelain.

10. The thermobottle of claim 1, wherein the sleeve is made of silicon.

11. A thermobottle, comprising:

an outer mug comprising a first coupling portion;

a sleeve comprising a second coupling portion;

an inner mug at least partially sleeved within the sleeve, the inner mug comprising a third coupling portion, the second coupling portion being configured to detachably couple with the first coupling portion to allow the inner mug to be at least partially accommodated within the outer mug, the third coupling portion and the first coupling portion substantially having same shape and dimensions; and

a cover comprising a fourth coupling portion, the fourth coupling portion and the second coupling portion substantially having same shape and dimensions, the fourth coupling portion being configured to suitably couple with the first coupling portion or the third coupling portion,

wherein when the fourth coupling portion couples with first coupling portion, the cover seals the outer mug with the inner mug removed from the outer mug, when the fourth coupling portion couples with the third coupling portion, the cover seals the inner mug.

12. The thermobottle of claim 11, wherein the first coupling portion is disposed on an outer wall of the outer mug, the inner mug comprises:

a first mug body having a first inner diameter;

a second mug body having a second inner diameter, the second inner diameter is larger than the first inner diameter, the third coupling portion is disposed on an outer wall of the second mug body; and

a third mug body connected between the first mug body and the second mug body, the sleeve comprises:

an inner ring surrounding and connecting with an outer wall of the first mug body;

an outer ring, the second coupling portion is located on a side of the outer ring facing to the inner ring; and

a supporting portion connected between the inner ring and the outer ring, and configured to be at least partially supported by an edge of the outer mug.

13. The thermobottle of claim 12, wherein the first coupling portion is an external thread structure, the second coupling portion is an inner thread structure.

14. The thermobottle of claim 12, wherein the inner ring has a first snapping portion disposed on a side of the inner ring facing to the outer ring, the outer mug has a second snapping portion disposed on an inner wall of the outer mug, the first snapping portion and the second snapping portion are configured to snap with each other.

15. The thermobottle of claim 12, wherein the first mug body is at least partially located within the inner ring, the second mug body is located outside the inner ring.

16. The thermobottle of claim 11, wherein the outer mug comprises an outer structure and an inner structure, the outer structure and the inner structure are at least partially separated from each other and define an insulating space therebetween.

17. The thermobottle of claim 11, wherein the outer mug and the inner mug are made of different materials.

18. The thermobottle of claim 11, wherein the outer mug is made of stainless steel.

19. The thermobottle of claim 11, wherein the inner mug is made of porcelain.

20. The thermobottle of claim 11, wherein the sleeve is made of silicon.

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