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(19) **United States**(12) **Patent Application Publication****Byun**(10) **Pub. No.: US 2006/0219256 A1**(43) **Pub. Date:****Oct. 5, 2006**(54) **COSMETICS AND COSMETIC GOODS
KEEPING CASE**(76) Inventor: **Young-Kwang Byun, Seoul (KR)**

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BIRCH STEWART KOLASCH & BIRCH**PO BOX 747****FALLS CHURCH, VA 22040-0747 (US)**(21) Appl. No.: **11/390,145**(22) Filed: **Mar. 28, 2006**(30) **Foreign Application Priority Data**

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Publication Classification(51) **Int. Cl.****A45D 33/20** (2006.01)**A45D 33/24** (2006.01)(52) **U.S. Cl.** **132/287; 132/300**(57) **ABSTRACT**

A cosmetics and cosmetic goods keeping case is provided. In the cosmetics and cosmetic goods keeping case including an upper body and a lower body coupled with each other, a cosmetic goods receiving device in which a pressing

inclined segment and a plurality of small and large setting grooves in which cosmetic goods are settled are formed is coupled with the internal space of a lower body in which a supporting wall from which an elastically supporting device of an elastic spring protrudes is formed and steps and left and right protrusion-shaped rails are formed in the internal surfaces of a rear main wall and left and right main walls. Slide grooves are formed around the left and right main walls that form a plurality of cosmetics receiving parts in the internal surfaces of the lower body. A cosmetics receiving case in whose front part a locking groove and a pressing plate are formed is received to be pressed by an elastic spring so that a locking step is locked to the locking groove. The locking step formed in the front end of the upper body is locked to the locking groove formed in the front part of the cosmetics receiving case and the elastic spring is made elastic by pressing the cosmetics receiving case so that the locking groove formed in the cosmetics receiving case moves, that the locking step formed in the upper body is released, and that the upper body is opened. When the cosmetics receiving case is pulled, the cosmetic goods receiving device settled in the internal space is elastically rotated by the torsion spring to be erected so that it is possible to easily take out and insert the cosmetic goods. When the cosmetics receiving case is received, the cosmetic goods receiving device is pressed and is settled in the internal space so that it is possible to stably keep and carry the cosmetics and cosmetic goods keeping case.

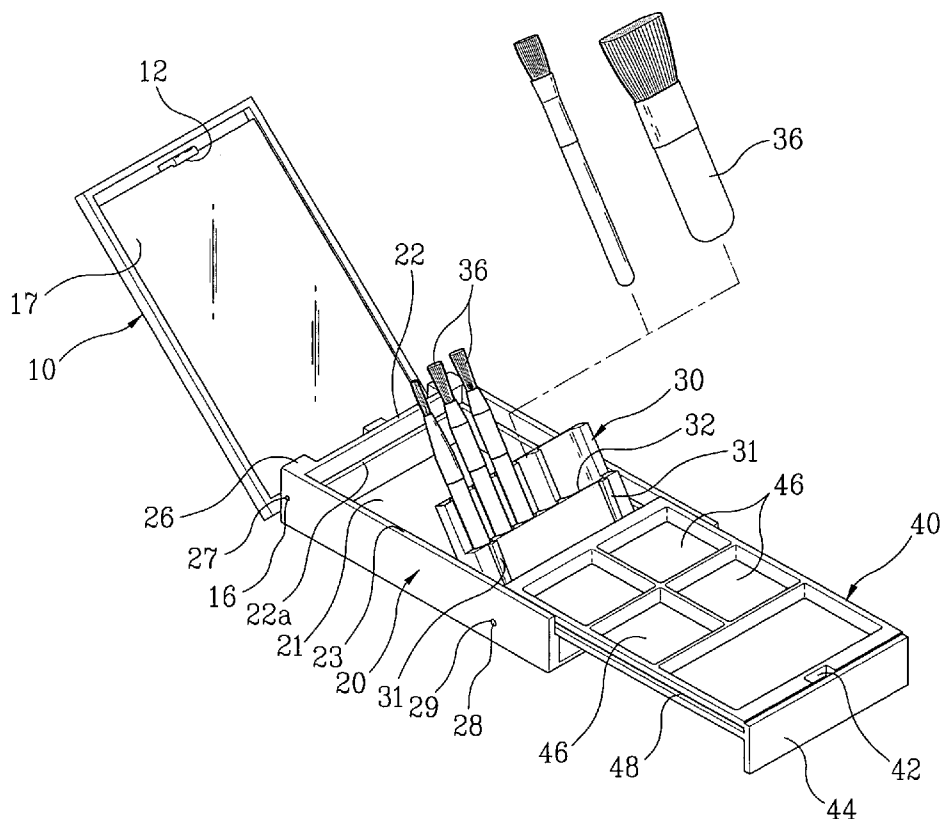


FIG. 1

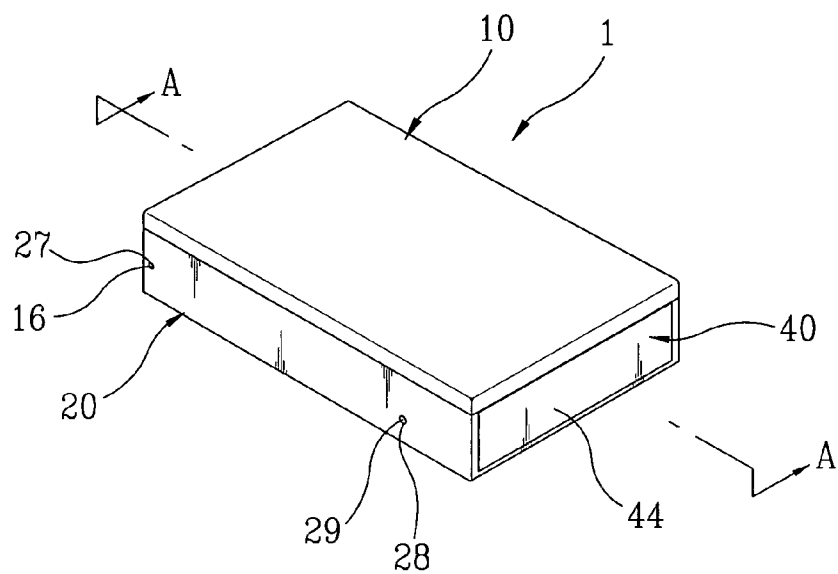


FIG. 2

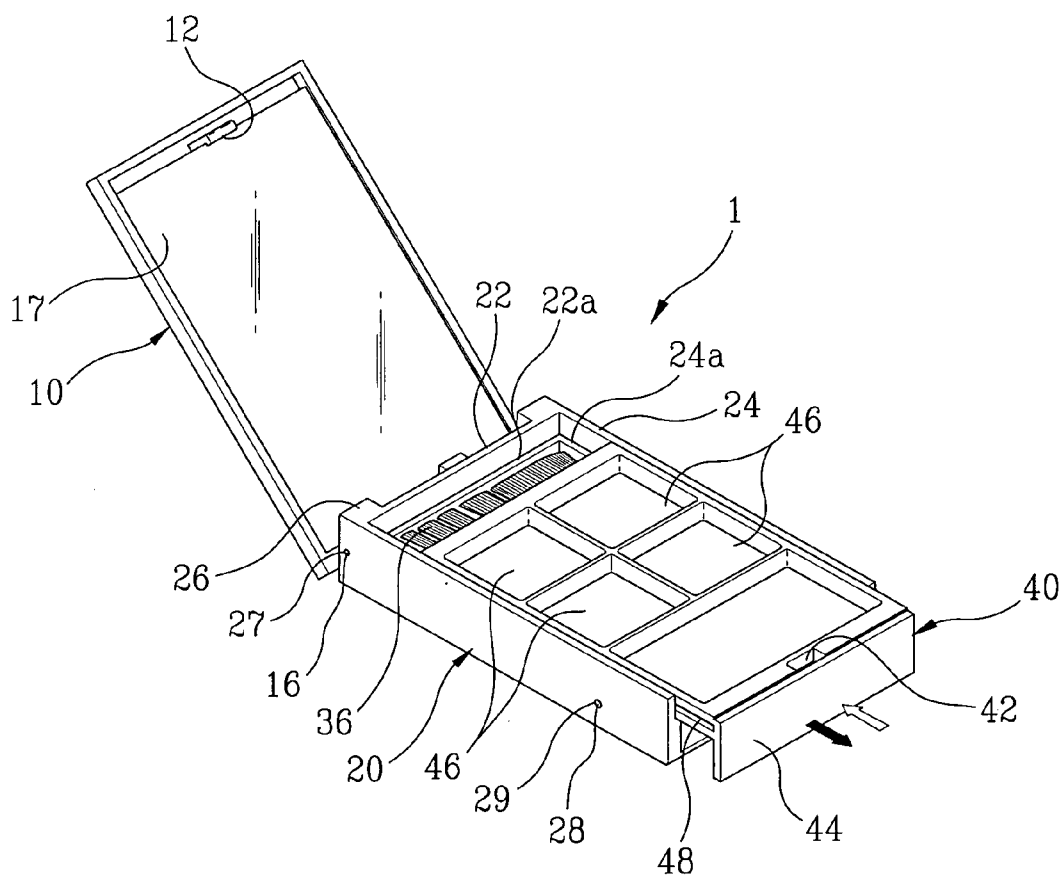


FIG. 3

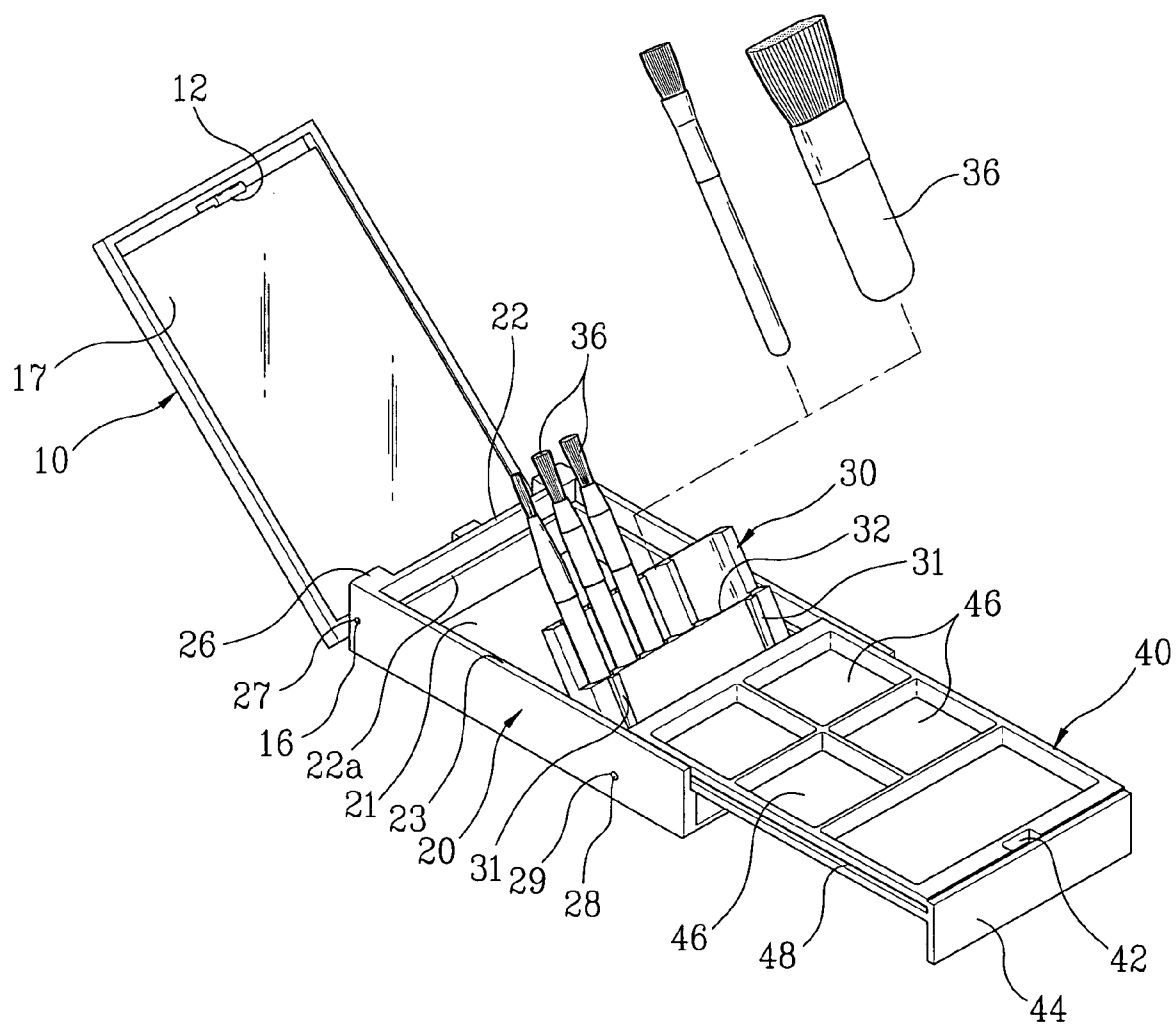


FIG. 5

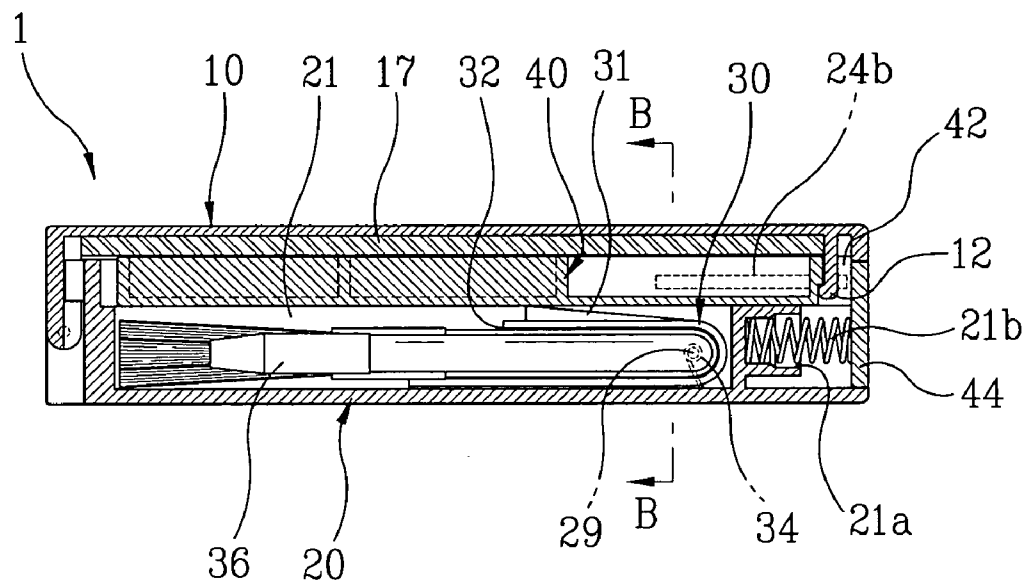


FIG. 6

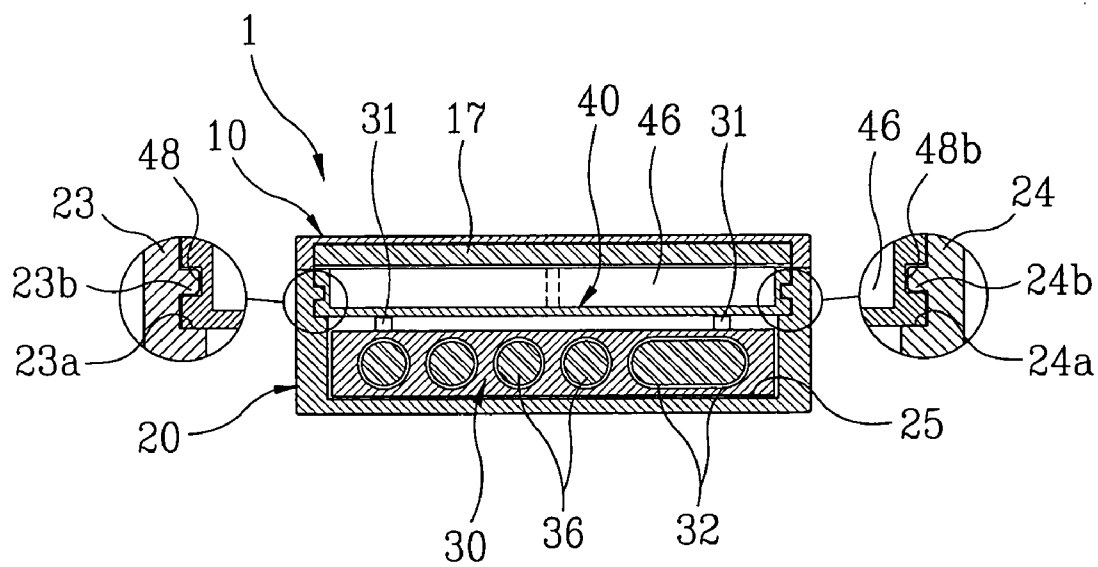


FIG. 7

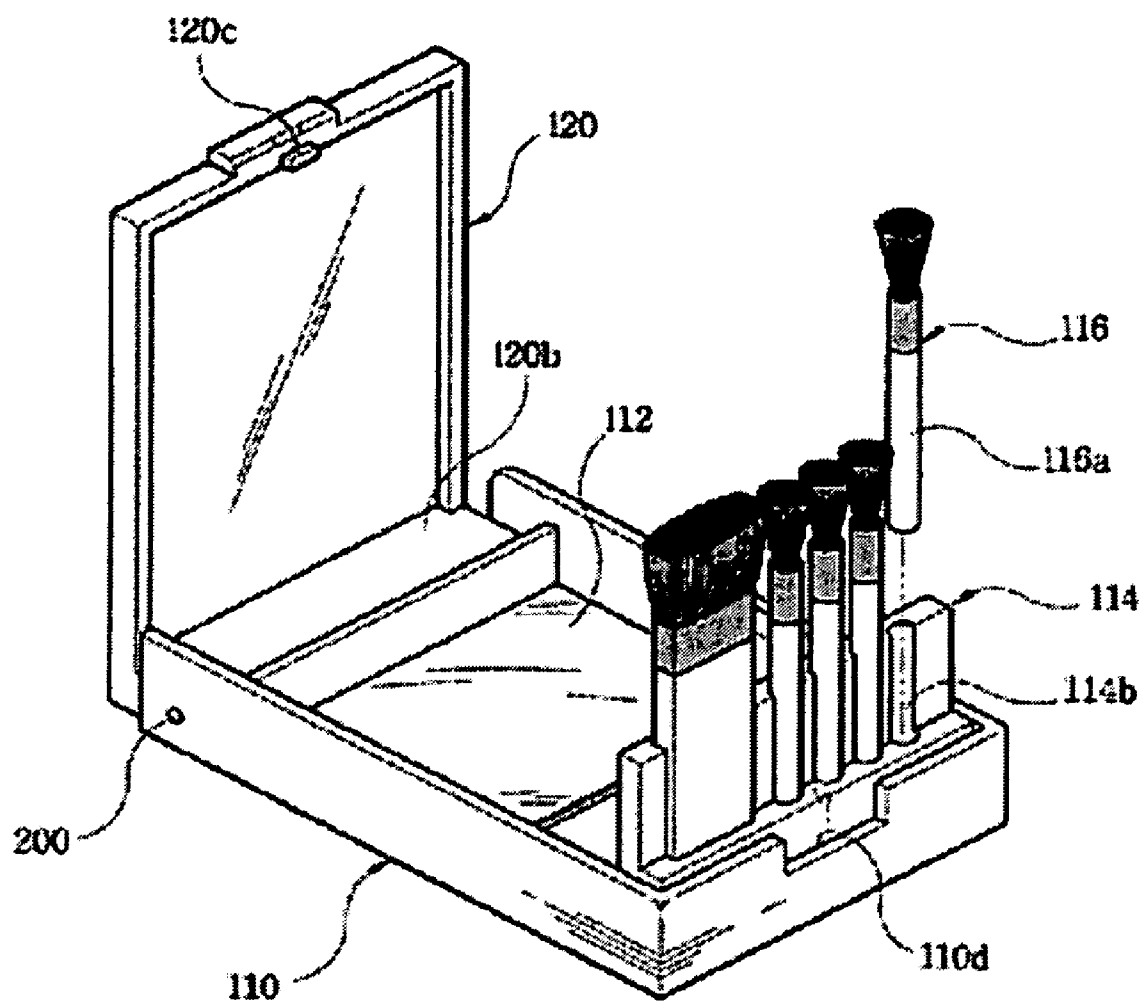
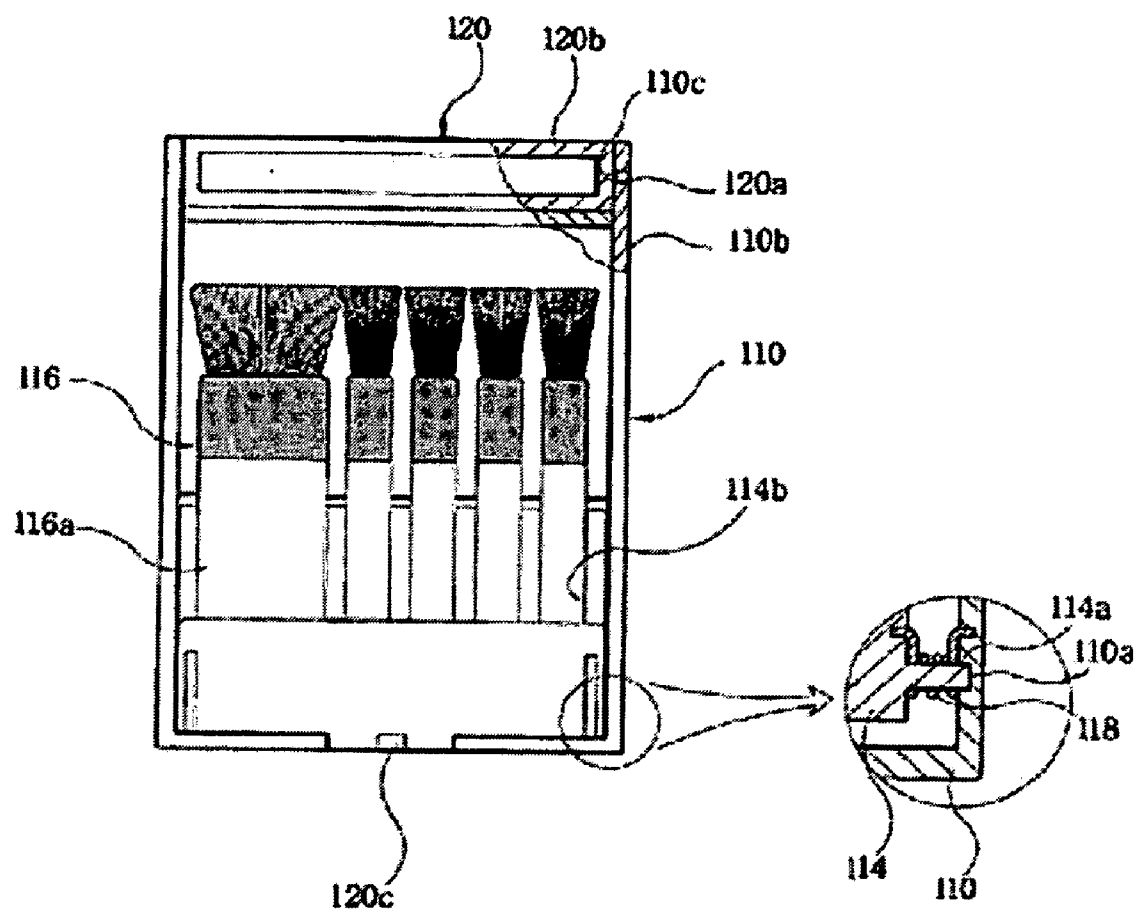


FIG. 8



COSMETICS AND COSMETIC GOODS KEEPING CASE

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims the benefit of Korean Patent Application No. 10-2005-0026299, filed on Mar. 30, 2005, in the Korean Intellectual Property Office, the disclosure of which is incorporated herein by reference.

BACKGROUND

[0002] 1. Field of the Invention

[0003] The present invention relates to a cosmetics and cosmetic goods keeping case, and more particularly, to a cosmetics and cosmetic goods keeping case formed of an upper body and a lower body coupled with each other in which a pressing inclined segment is formed in an internal space formed in the lower body, a cosmetic goods receiving device into which cosmetic goods are inserted is coupled with the pressing inclined segment, steps formed in the lower body are coupled with a cosmetics receiving case that slides by left and right protruding rails, a locking step formed in the front end of the upper body is locked in a locking groove formed in the front part of the cosmetics receiving case, an elastic spring is made elastic by pressing the cosmetics receiving case so that the locking step formed in the upper body is released from the locking groove formed in the cosmetics receiving case and that the upper body is opened, the cosmetics receiving case is pulled so that the cosmetic goods receiving device received in the internal space is elastically rotated by a torsion spring and that the cosmetic goods can be easily taken out and inserted, and the cosmetics receiving case is received so that the cosmetic goods receiving device is pressed and that the cosmetic goods receiving case is received in the internal space to be stably kept.

[0004] 2. Discussion of Related Art

[0005] Women first apply skin toners and lotions to their faces and then, apply mascaras, eye shadows, and lipsticks to their faces.

[0006] Cosmetic goods such as mirrors, brushes for mascaras, eye shadows, and lipsticks, and so on are to be prepared in order to apply the mascaras, eye shadows, and lipsticks.

[0007] The cosmetic goods may be included in the cosmetics but are commonly separated from the cosmetics so that the plurality of cosmetic goods are to be received in a cosmetics and cosmetic goods keeping case.

[0008] In a conventional cosmetic goods keeping case, since brushes are simply received, a brush collides with the other brushes so that different cosmetics are mixed with each other and that it is difficult to re-use the brushes. Also, the brushes are deeply received in the lower part of the cosmetic goods keeping case so that it is difficult to take out the brushes.

[0009] In order to solve the problems, as illustrated in FIGS. 7 and 8, a cosmetic goods keeping case in which cosmetic goods for various purposes are kept is used.

[0010] The cosmetic goods keeping case is a top-opened square box. A first circular hole 110a is formed in one end

and a bracket 110b having a second circular hole 110c is formed in the other end. The cosmetic goods keeping case also includes a receiving case 110 on whose inner bottom a mirror 112 is provided, a cosmetic goods receiving device 114 that is rotated based on a hinge pin 114a inserted into the first circular hole 110a of the receiving case 110 and in which brush setting grooves 114b into which grips 116a of a plurality of brushes 116 are inserted are formed, a torsion spring 118 whose linear extension part in one end extended from a coil is fixed to the receiving case 110 and whose linear extension part in the other end extended from the coil is fixed to the cosmetic goods receiving device 114 so that a force that makes the cosmetic goods receiving device 114 erect is applied, and a cover 120 that is rotated based on a hinge pin 120a of a side surface part 120b inserted into the second circular hole 110c of the bracket 110b of the receiving case 110, that is formed transparent to cover the receiving case 110, and in whose one end a locking protrusion 120c locked to a locking groove 110d of the receiving case 110 is formed.

[0011] In the cosmetic goods keeping case having the above structure, the cover 120 is closed in a state where the brushes 116 are inserted into the brush settling grooves 114a of the cosmetic goods receiving device 114 and then, the cosmetic goods receiving device 114 is forcibly pressed to be received in the receiving case 110 and is rotated. In the cosmetic goods keeping case, when the cover 120 is opened by releasing the locking protrusion 120c of the cover 120, the cosmetic goods receiving device 114 is erected by the elastic force of the torsion spring 118 provided in the hinge pin 114a. At this time, the plurality of brushes 116 inserted into the brush settling grooves 114a may be selectively taken out.

[0012] Therefore, when a user desires to apply make-up while carrying the cosmetics and cosmetic goods in the receiving case 110, the user releases the locking protrusion 120c of the cover 120 from the locking groove 110d of the receiving case 110 to open the cover 120. At the same time, the cosmetic goods receiving device 114 is automatically erected by the torsion spring 118. At this time, the user selects the brush 116 to be used and then, applies make-up with one hand holding the receiving case 110 and the other hand holding the grip 116a of the brush 116 while looking at the mirror 112 attached to the bottom of the receiving case 114.

[0013] However, in the conventional cosmetic goods keeping case, since the force that presses the cosmetic goods receiving device 114 is removed when the cover 120 is opened, the cosmetic goods receiving device 114 is rapidly erected by the elastic force of the torsion spring 118. Therefore, the brushes 116 inserted into the brush settling grooves 114a deviate from the brush settling grooves 114a. In order to prevent the brushes 116 from deviating from the brush settling grooves 114a, the user must erect the cosmetic goods receiving device 114 while softly pressing the cosmetic goods receiving device 114.

[0014] When the used brushes 116 are inserted into the cosmetic goods receiving device 114 and then, the cosmetic goods receiving device 114 is kept in the receiving case 110 and the cover 120, the force that erects the cosmetic goods receiving device 114 is applied by the elastic force of the spring 118 so that the brushes 116 settled in the cosmetic

goods receiving device **114** always contact the internal surface of the cover **120** to be pressed and that the brushes **116** are deformed when the brushes **116** are kept in the receiving case **110** for a long time.

SUMMARY OF THE INVENTION

[0015] In order to solve the above-described problems, it is an object of the present invention to provide a cosmetics and cosmetic goods keeping case formed of an upper body and a lower body hinge-coupled with each other in which a pressing inclined segment is formed in an internal space formed in the lower body, a cosmetic goods receiving device into which cosmetic goods are inserted is coupled with the pressing inclined segment, steps formed in the lower body are coupled with a cosmetics receiving case that slides by left and right protruding rails, a locking step formed in the front end of the upper body is locked in a locking groove formed in the front part of the cosmetics receiving case, an elastic spring is made elastic by pressing the cosmetics receiving case so that the locking step formed in the upper body is released from the locking groove formed in the cosmetics receiving case and that the upper body is opened, the cosmetics receiving case is pulled so that the cosmetic goods receiving device received in the internal space is elastically rotated by a torsion spring and that the cosmetic goods can be easily taken out and inserted, and the cosmetics receiving case is received so that the cosmetic goods receiving device is pressed and that the cosmetic goods receiving case is received in the internal space to be stably kept.

[0016] There is provided a cosmetics and cosmetic goods keeping case. In the cosmetics and cosmetic goods keeping case, a cosmetic goods receiving device in which a pressing inclined segment and a plurality of small and large setting grooves in which cosmetic goods are settled are formed is coupled with the internal space of a lower body in which a supporting wall from which an elastically supporting device of an elastic spring protrudes is formed and steps and left and right protrusion-shaped rails are formed in the internal surfaces of a rear main wall and left and right main walls. Slide grooves are formed around the left and right main walls that form a plurality of cosmetics receiving parts in the internal surfaces of the lower body. A cosmetics receiving case in whose front part a locking groove and a pressing plate are formed is received to be pressed by an elastic spring so that a locking step is locked to the locking groove.

BRIEF DESCRIPTION OF THE DRAWINGS

[0017] These and/or other objects and advantages of the invention will become apparent and more readily appreciated from the following description of preferred embodiments, taken in conjunction with the accompanying drawings of which:

[0018] **FIG. 1** is a perspective view illustrating a closed cosmetics and cosmetic goods keeping case according to the present invention;

[0019] **FIG. 2** is an exploded perspective view of the cosmetics and cosmetic goods keeping case according to the present invention;

[0020] **FIG. 3** is a perspective view illustrating that only an upper body of the cosmetics and cosmetic goods keeping case according to the present invention is opened;

[0021] **FIG. 4** is a perspective view illustrating that a cosmetic goods receiving device according to the present invention is elastically opened by a torsion spring;

[0022] **FIG. 5** is a sectional view taken along the line A-A of **FIG. 1**;

[0023] **FIG. 6** is a sectional view taken along the line B-B of **FIG. 1**;

[0024] **FIG. 7** is a perspective view illustrating that a cover of a conventional cosmetic goods case is opened and brushes are erected; and

[0025] **FIG. 8** is a plan view illustrating a part of **FIG. 6** is cut off.

DETAILED DESCRIPTION OF PREFERRED EMBODIMENTS

[0026] As illustrated in **FIGS. 1 to 4**, in the case **1** according to the present invention, an upper body **10** and a lower body **20** are coupled with each other by a pin shaft **16**. A locking step **12** is formed in the front part of the upper body **10** and an upper body bearing **14** having an upper body bearing hole **15** is formed in the rear part of the upper body. A mirror **17** is inserted into and fixed to the internal surface of the case **1**.

[0027] A supporting wall **21** in which an elastically supporting device **21a** into which an elastic spring **21b** is inserted is formed is erected in the front part of the lower body **20**. Steps **22a**, **23a**, and **24a** and left and right protrusion-shaped rails **23b** and **24b** are formed in the internal surfaces of a rear main wall **22** and left and right main walls **23** and **24**. As a result, an internal space **25** is formed between the supporting wall **21** and the rear main wall **22** and the left and right main walls **23** and **24**.

[0028] A lower body bearing **26** having a lower body bearing hole **27** into which the upper body bearing **14** formed in the rear part of the upper body **10** is inserted so that the lower body bearing **26** is coupled with the upper body bearing **14** by the pin shaft **16** is formed in the rear part of the lower body **20**.

[0029] A cosmetic goods receiving device **30** is provided in the upper body **10** and the lower body **20** shaft-coupled with each other by the pin shaft **16**. A pressing inclined segment **31** is formed in a proper position in the front part of the cosmetic goods receiving device. A plurality of settling grooves **32** into which various cosmetic goods **36** such as brushes are inserted are formed in the upper part of the cosmetic goods receiving device **30**. Cosmetic goods receiving device bearing holes **33** are formed on both sides in the lower part of the cosmetic goods receiving device **30** so that the cosmetic goods receiving device bearing holes **33** are rotatably coupled with shaft holes **28** formed on both sides in the front part of the internal space **25** of the lower body **20** by an additional pin shaft **29**.

[0030] A cosmetics receiving case **40** in which a plurality of cosmetics receiving parts **46**, a locking groove **42**, and a pressing plate **44** are formed is provided in the upper part of the internal space **25** in which the cosmetic goods receiving device **30** is received. The cosmetics receiving case **40** slides by the steps **22a**, **23a**, and **24a** and the left and right protrusion-shaped rails **23b** and **24b** formed in the internal surfaces of the lower body **20** so that the left and right

protrusion-shaped rails **23b** and **24b** are supported by and locked to slide grooves **48** formed around the left and right protrusion-shaped rails **23b** and **24b** and that the cosmetics receiving case **40** stably slides.

[0031] On the other hand, the pressing inclined segment **31** formed in the front part of the cosmetic goods receiving device **30** makes the cosmetic goods receiving device **30** easily rotatably received in the internal space **25** of the lower body **20** when the cosmetics receiving case **40** is pushed. A torsion spring **34** is inserted into the pin shaft **29** on one side of the lower part of the cosmetic goods receiving device **30** so that the elastic force is always applied to the cosmetic goods receiving device **30**. Therefore, when the cosmetics receiving case **40** is pulled to be opened, the cosmetic goods receiving device **30** is automatically erected.

[0032] The operations and effects of the cosmetics and cosmetic goods keeping case according to the present invention having the above structure will be described as follows.

[0033] As illustrated in **FIGS. 3 and 4**, the cosmetic goods receiving device **30** in which the plurality of cosmetic goods **36** are received is received in the internal space **25** of the lower body **20** to be elastically pressed by the torsion spring **34** and is pressed and fixed by the cosmetics receiving case **40**. The locking step **12** formed in the front part of the upper body **10** to correspond to the lower body **20** is inserted into and locked to the locking groove **42** formed in the front part of the cosmetics receiving case **40**.

[0034] At this time, the cosmetic goods receiving device **30** received in the internal space **25** of the lower body **20** is supported by and pressed by the cosmetics receiving case **40** provided in the upper part.

[0035] The user carries the cosmetics and cosmetic goods keeping case in a state where the plurality of cosmetic goods **36** are settled and the cosmetics receiving case **40** is provided so that the upper body **10** and the lower body **20** are closed. When the user wishes to use the brushes that are the cosmetic goods **36**, as illustrated in **FIGS. 1 and 2**, the user softly presses the pressing plate **44** formed in the front part of the cosmetics receiving case **40** and softly lifts the upper body **10** so that the locking step **12** of the upper body **10** coupled with and fixed to the locking groove **42** formed in the front part of the cosmetics receiving case **40** is taken out, that the upper body **10** is released to be opened, and that the cosmetics receiving case **40** slightly protrudes by the elastic force of the elastic spring **21b** formed in the front part of the lower body **20**.

[0036] The user pulls the lower part of the pressing plate **44** formed in the front part of the cosmetics receiving case **40** in a state where the upper body **10** is rotated to be opened so that the force of the lower body **20** that presses the cosmetic goods receiving device **30** is released and that the cosmetic goods receiving device **30** is erected by the elastic force of the torsion spring **34**. At this time, the cosmetic goods receiving device **30** is supported by the rear end of the cosmetics receiving case **40** to be rotated and erected so that it is possible to prevent the cosmetic goods **36** from deviating unlike in the conventional art where the cosmetic goods receiving device is rapidly erected.

[0037] The user takes out and uses the various cosmetic goods **36** settled in the cosmetic goods receiving device **30** erected by releasing the locking step **12** and by opening the

cosmetics receiving case **40** in a state where the upper body **10** and the lower body **20** are closed.

[0038] The user uses the various cosmetics **49** received in the cosmetics receiving parts **46** formed in the cosmetics receiving case **40** using the cosmetic goods **36** taken out from the cosmetic goods receiving device **30**.

[0039] Therefore, in the cosmetics and cosmetic goods keeping case according to the present invention having the above structure, the cosmetic goods receiving device **30** is erected by opening the upper body **10** and the cosmetics receiving case **40** so that the user can easily take out the cosmetic goods **36** settled in the settling grooves **32** of the cosmetic goods receiving device **30** and can apply make-up using the cosmetics **49** received in the cosmetics receiving parts **46** of the cosmetics receiving case **40** while looking at the mirror **17** attached to the internal side of the upper body **10**.

[0040] When the user completes applying the make-up, the user keeps the cosmetic goods **36** in the settling grooves **32** of the cosmetic goods receiving hole **30** and pushes the pressing plate **44** of the cosmetics receiving case **40** so that the rear end of the cosmetics receiving case **40** presses the pressing inclined segment **31** formed in the front part of the cosmetic goods receiving device **30**, that the force applied to the cosmetic goods receiving device **30** is made small, and that the cosmetic goods receiving device **30** is rotatably received in the internal space **25** of the lower body **20**.

[0041] In this state, the upper body **10** is rotated in the lower part of the cosmetics receiving case **40** while pressing the pressing plate **44** of the cosmetics receiving case **40** that slightly protrudes to the rear part. Therefore, the locking step **12** of the upper body **10** is locked to the locking groove **42** formed in the cosmetics receiving case **40** so that the upper body **10** can be firmly coupled with and fixed to the lower body **20** and the cosmetics receiving case **40**.

[0042] In the cosmetics and cosmetic goods keeping case according to the present invention, as described above, the elastic spring is made elastic and the locking step formed in the upper body is released from the locking groove formed in the cosmetics receiving case by pressing the cosmetics receiving case received in the lower body so that the upper body can be opened. When the cosmetics receiving case is pulled, the cosmetic goods receiving device settled in the internal space is elastically rotated by the torsion spring to be erected so that it is possible to easily take out and insert the cosmetic goods. When the cosmetics receiving case is received, the cosmetic goods receiving device is pressed and is settled in the internal space so that it is possible to stably keep and carry the cosmetics and cosmetic goods keeping case.

What is claimed is:

1. A cosmetics and cosmetic goods keeping case comprising an upper body and a lower body in which a cosmetic goods receiving device in which cosmetic goods are settled is hinge-coupled with an internal space formed in the lower body,

wherein the cosmetic goods receiving device in which a plurality of small and large setting grooves in which cosmetic goods are settled are formed is coupled with the internal space of the lower body in which a supporting wall from which an elastically supporting

device of an elastic spring protrudes is formed and steps and left and right protrusion-shaped rails are formed in the internal surfaces of a rear main wall and left and right main walls,

wherein slide grooves are formed around the left and right main walls that form a plurality of cosmetics receiving parts in the internal surfaces of the lower body, and

wherein a cosmetics receiving case in whose front part a locking groove and a pressing plate are formed is

received to be pressed by an elastic spring so that a locking step is locked to the locking groove.

2. The cosmetics and cosmetic goods keeping case as claimed in claim 1, wherein a pressing inclined segment is formed in a proper position in the front part of the cosmetic goods receiving device.

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