

AN EASY-TO-USE MOBILE PHONE LANYARD

TECHNICAL FIELD

[0001] The present invention relates to the technical field of mobile phone accessories, and particularly relates to an easy-to-use mobile phone lanyard.

BACKGROUND

[0002] With the popularization and development of smart phones, mobile phone lanyards have become a common accessory used with mobile phones. The lanyard is mainly used to connect various connectors and rope buckles, and then connected to the mobile phone and hung on the human body (the neck or the wrist), which is not only convenient for carrying the mobile phone, but also capable of preventing the mobile phone from falling and being lost. The lanyard can also be used for decoration, and work cards, work permits or the like can also be attached to the lanyard.

[0003] Most of the existing mobile phone lanyards cannot be adjusted in length, or the length thereof can only be adjusted with both hands at the same time. However, there is currently no mobile phone lanyard available on the market that allows for length adjustment with one hand and replacement of surface decoration by users themselves.

[0004] In view of the above problems, an easy-to-use mobile phone lanyard is proposed.

SUMMARY

[0005] An objective of the present invention is to provide an easy-to-use mobile phone lanyard so as to solve the problems of inconvenient length adjustment of the lanyard and incapability of surface decoration replacement by users themselves in the background technology.

[0006] In order to achieve the above objective, the present invention provides the following

technical solution: an easy-to-use mobile phone lanyard is provided that comprises a shell, the inner wall of the shell is fixedly connected with a mounting seat, both sides of the mounting seat are provided with threading grooves, a top cover is fixedly connected to the top of the shell, the outer walls of the front and rear ends on the left side of the shell are both penetrated and provided with first perforations, the outer walls of the front and rear ends on the right side of the shell are both penetrated and provided with second perforations, a through hole is provided between the two first perforations and the two second perforations respectively, a pressing assembly is provided in the through holes, respective sides of the pressing assemblies are connected to the outer wall of the threading grooves, a fixed plate is fixedly connected to the top of the top cover, a magnetic assembly is provided on the top of the fixed plate, and a badge is connected to the top of the magnetic assembly.

[0007] By adopting the aforesaid technical solution, the outer wall of the mounting seat is also arc-shaped, which is convenient to be attached to the inner wall of the shell, and the lanyard enters from the first perforation and exits from the second perforation.

[0008] As a further description of the aforesaid technical solution, the pressing assembly comprises a metal button, both sides of the metal button are penetrated and provided with elastic holes, respective sides of the metal buttons are fixedly connected with springs, and respective sides of the springs are fixedly connected with the outer walls of the threading grooves.

[0009] By adopting the aforesaid technical solution, the diameter of the elastic hole is as large as that of the first perforation and the second perforation.

[0010] As a further description of the aforesaid technical solution, the magnetic assembly comprises a mounting groove, an iron sheet is fixedly connected in the mounting groove, a magnet sheet is provided at the top of the iron sheet, and a badge is fixedly connected to the top of the magnet sheet.

[0011] By adopting the aforesaid technical solution, the iron sheet is made of iron so that it is

convenient to be adsorbed by the magnet sheet.

[0012] As a further description of the above technical solution, lanyards are provided in the threading grooves.

[0013] By adopting the aforesaid technical solution, it is convenient for the lanyard to pass through the elastic hole in the threading groove.

[0014] As a further description of the aforesaid technical solution, the bottom of the shell is fixedly connected with a base.

[0015] By adopting the aforesaid technical solution, the internal mechanism of the shell is protected.

[0016] As a further description of the above technical solution, outer walls of respective sides of the metal buttons are fixedly connected with limiting blocks.

[0017] By adopting the aforesaid technical solution, the metal button is prevented from coming out of the through groove under the condition that there is no lanyard in the elastic hole.

[0018] As a further description of the aforesaid technical solution, the outer walls of the two metal buttons are both in sliding connection with the inner walls of the through holes.

[0019] By adopting the aforesaid technical solution, it is convenient for the metal button to press the spring.

[0020] As a further description of the above technical solution, the mounting groove is arranged in the fixed plate.

[0021] By adopting the aforesaid technical solution, it is convenient to mount an iron sheet in the mounting groove.

[0022] As compared to the prior art, the present invention has the following beneficial effects:

[0023] 1. According to the easy-to-use mobile phone lanyard provided by the present invention, the length of the lanyard can be adjusted as needed by the through hole, the metal button, the elastic hole, the limiting block, the spring, the threading grooves, the first perforations and the

second perforations working together.

[0024] 2. According to the easy-to-use mobile phone lanyard provided by the present invention, through the cooperation of the fixed plate, the mounting groove, the iron sheet, the magnet sheet and the badge, a new badge is taken out and fixed by the absorption between the magnet sheet at the bottom of the badge and the iron sheet in the mounting groove, thereby realizing rapid badge replacement and saving time.

BRIEF DESCRIPTION OF THE DRAWINGS

[0025] FIG. 1 is a schematic exploded diagram of the overall structure according to the present invention.

[0026] FIG. 2 is a schematic view of the overall structure according to the present invention.

[0027] FIG. 3 is a schematic side view of the structure of threading grooves according to the present invention.

[0028] In the drawings: 1. Shell; 2. Mounting seat; 3. Base; 4. Top cover; 5. First perforation; 6. Second perforation; 7. Through hole; 8. Metal button; 9. Elastic hole; 10. Limiting block; 11. Spring; 12. Threading groove; 13. Fixed plate; 14. Mounting groove; 15. Iron sheet; 16. Magnet sheet; 17. Badge; 18. Lanyard.

DETAILED DESCRIPTION

[0029] Hereinafter, the technical solutions in embodiments of the present invention will be described clearly and completely with reference to the attached drawings in the embodiments of the present invention. Obviously, the embodiments described are only a part but not all of the embodiments of the present invention. Based on the embodiments in the present invention, all other embodiments obtained by those of ordinary skill in the art without creative labor shall belong to the scope claimed in the present invention.

[0030] For further appreciation of the content of the present invention, the present invention will be described in detail with reference to the attached drawings.

[0031] Referring to FIG. 1 and FIG. 2 together, an easy-to-use mobile phone lanyard of the present invention comprises a shell 1, and the inner wall of the shell 1 is fixedly connected with a mounting seat 2 which can provide supporting and separating effects. Both sides of the mounting seat 2 are provided with threading grooves 12 which are convenient for the lanyard 18 to pass through. A top cover 4 is fixedly connected to the top of the shell 1, and the top cover 4 seals the shell 1 and provides some protection. The outer walls of the front and rear ends on the left side of the shell 1 are both penetrated and provided with first perforations 5, and the outer walls of the front and rear ends on the right side of the shell 1 are both penetrated and provided with second perforations 6. The first perforations 5 and the second perforations 6 facilitate the entry and exit of the lanyard 18, and through holes 7 are provided between the two first perforations 5 and the two second perforations 6 respectively so as to support and fix the metal buttons 8. Pressing assemblies which can press and fix the lanyard 18 is provided in the through holes 7, and respective sides of the pressing assemblies are connected to the outer walls of the threading grooves 12. The top of the top cover 4 is fixedly connected with a fixed plate 13 which is convenient for installation and fixation of magnetic assemblies, and the top of the fixed plate 13 is provided with a magnetic assembly which is convenient for the detachment and replacement of a badge 17. A replaceable and decorative badge 17 is connected to the top of the magnetic assembly, lanyards 18 are arranged in the threading grooves 12, and a base 3 is fixedly connected to the bottom of the shell 1.

[0032] Referring to FIG. 2 and FIG. 3 together, the pressing assemblies comprise metal buttons 8, the outer walls of the two metal buttons 8 are both in sliding connection with the inner walls of the through holes 7 and the metal buttons 8 are supported by the through holes 7. Both sides of the metal button 8 are penetrated and provided with elastic holes 9, and the elastic holes 9 are

used in cooperation with the metal buttons 8 and springs 11 to fix the lanyard 18. Respective sides of the metal buttons 8 are fixedly connected with springs 11 which can push the metal button 8 to move. Respective sides of the springs 11 are fixedly connected with the outer walls of the threading grooves 12, so that the springs 11 can be fixed on the outer wall of the threading grooves 12. Limiting blocks 10 for limiting the metal buttons 8 are fixedly connected to the outer walls of respective sides of the metal buttons 8.

[0033] Referring to FIG. 1, the magnetic assembly comprises a mounting groove 14, and the mounting groove 14 is arranged in the fixed plate 13 and can be used for mounting an iron sheet 15. The iron sheet 15 is fixedly connected in the mounting groove 14, a magnet sheet 16 is provided on the top of the iron sheet 15, and a badge 17 is fixedly connected to the top of the magnet sheet 16. The iron sheet 15 can cooperate with the magnet sheet 16 to fix the badge 17, which is convenient for the detachment and replacement of the badge 17.

[0034] The working principle is as follows: during operation, the lanyard 18 enters from the first perforations 5 on both sides of the shell 1 into the threading groove 12 and then passes through the elastic hole 9 to exit from the second perforations 6. When the length of the lanyard 18 needs to be adjusted, the metal buttons 8 on both sides of the shell 1 are pressed by hand so that the metal buttons 8 can move relatively within the shell 1 through the through hole 7. At this time, the lanyard 18 in the elastic hole 9 is loosened for adjustment, and the metal buttons 8 are released after the lanyard 18 is adjusted to an appropriate length. The spring 11 pushes the metal button 8, and then the lanyard 18 in the elastic hole 9 is clamped and limited by the pushed metal button 8, and thus the length of the lanyard 18 is adjusted. When the surface decoration needs to be replaced, a new badge 17 is taken out and fixed by the adsorption between the magnet sheet 16 at the bottom of the badge 17 and the iron sheet 15 in the mounting groove 14, thereby realizing rapid replacement of the badge 17 and saving time.

[0035] It shall be noted that, relational terms such as first and second used herein are only used

to distinguish one entity or operation from another entity or operation, and do not necessarily require or imply any such actual relationships or orders between these entities or operations. Moreover, the terms “include”, “including” or any other variation thereof are intended to cover non-exclusive inclusion, so that a process, method, article or equipment including a series of elements includes not only those elements, but also other elements not explicitly listed or elements inherent to such process, method, article or equipment.

[0036] Although the embodiments of the present invention have been shown and described, as shall be appreciated by those of ordinary skill in the art, various changes, modifications, substitutions and variations can be made to these embodiments without departing from the principles and spirit of the present invention, and the scope of the present invention is defined by the appended claims and their equivalents.

What is claimed is:

1. An easy-to-use mobile phone lanyard, comprising a shell (1), being characterized in that, the inner wall of the shell (1) is fixedly connected with a mounting seat (2), both sides of the mounting seat (2) are provided with threading grooves (12), a top cover (4) is fixedly connected to the top of the shell (1), the outer walls of the front and rear ends on the left side of the shell (1) are both penetrated and provided with first perforations (5), the outer walls of the front and rear ends on the right side of the shell (1) are both penetrated and provided with second perforations (6), a through hole (7) is provided between the two first perforations (5) and the two second perforations (6) respectively, a pressing assembly is provided in the through holes (7), respective sides of the pressing assemblies are connected to the outer wall of the threading grooves (12), a fixed plate (13) is fixedly connected to the top of the top cover (4), a magnetic assembly is provided on the top of the fixed plate (13), and a badge (17) is connected to the top of the magnetic assembly.

2. The easy-to-use mobile phone lanyard according to Claim 1, being characterized in that, the pressing assembly comprises a metal button (8), both sides of the metal button (8) are penetrated and provided with elastic holes (9), respective sides of the metal buttons (8) are fixedly connected with springs (11), and respective sides of the springs (11) are fixedly connected with the outer walls of the threading grooves (12).

3. The easy-to-use mobile phone lanyard according to Claim 1, being characterized in that, the magnetic assembly comprises a mounting groove (14), an iron sheet (15) is fixedly connected in the mounting groove (14), a magnet sheet (16) is provided at the top of the iron sheet (15), and a badge (17) is fixedly connected to the top of the magnet sheet (16).

4. The easy-to-use mobile phone lanyard according to Claim 1, being characterized in that, lanyards (18) are provided in the threading grooves (12).

5. The easy-to-use mobile phone lanyard according to Claim 1, being characterized in that,

the bottom of the shell (1) is fixedly connected with a base (3).

6. The easy-to-use mobile phone lanyard according to Claim 2, being characterized in that, the outer walls of respective sides of the metal buttons (8) are fixedly connected with limiting blocks (10).

7. The easy-to-use mobile phone lanyard according to Claim 2, being characterized in that, the outer walls of the two metal buttons (8) are in sliding connection with the inner walls of the through holes (7).

8. The easy-to-use mobile phone lanyard according to Claim 3, being characterized in that, the mounting groove (14) is arranged in the fixed plate (13).