

## Annex A

### Unconditional Amendments to EP(UK) 2 686 751 B1

#### Claims

1. A portable media player case (100, 101) for housing a portable media player (200), comprising:

a case body (4) for housing the portable media player; and  
an extendable socket (24) attached to the case body, the socket including:

an accordion (2) forming a conical shape and capable of extending outward from the case body and retracting back toward the case body, and  
a foot disposed at the distal end of the accordion, wherein the accordion comprises walls (8, 10, 11, 12) interspersed with flexural hinges (9), the walls being rigid relative to the hinges, and is constructed and arranged (29) such that the walls remain generally parallel to the axis of the accordion when the accordion is collapsed.

2. A socket (24) for attaching to a portable media player (200) or to a portable media player case (100, 101), comprising:

a securing element (12, 13, 31, 32, 33, 34, 35) for attaching the socket to the back of the portable media player or portable media player case; and

an accordion (2) forming a conical shape connected to the securing element, the accordion capable of extending outward from the portable media player and retracting back toward the portable media player; and  
a foot disposed at the distal end of the accordion,

wherein the accordion comprises walls (8, 10, 11, 12) interspersed with flexural hinges (9), the walls being rigid relative to the hinges, and is constructed and arranged (29) such that the walls remain generally parallel to the axis of the accordion when the accordion is collapsed

3. The case of claim 1 or the socket of claim 2, wherein the walls comprise flipper walls (10) oriented diagonally outwards from the axis of the accordion in the direction of extension when the accordion is extended and diagonally outwards from the axis of the accordion in the direction of collapse when the accordion is collapsed.
4. The case of claim 1 or claim 3 or the socket (24) of claim 2 or claim 3, wherein the accordion is formed of polyester-based thermoplastic polyurethane elastomer, the walls are about 1 to 2mm thick and 2 to 4mm long, and the flexural hinges are about 0.2 to 0.4mm thick and 1 to 2mm long.
5. The case of claim 1 or claim 3 or claim 4 or the socket (24) of any of claims 2 to 4, wherein the foot comprises a button (1) formed of a rigid material and extending radially past the distal end of the accordion.
6. The case of claim 1 or any of claims 3 to 5 or the socket of any of claims 2 to 5, wherein the foot comprises a suction cup (31).
7. The socket of any of claims 2 to 6, wherein the securing element comprises a suction cup (31) or a suction-cup tape (33).
8. The case of claim 1 or any of claims 3 to 6, wherein the case body forms a cavity (15) for housing the socket when the accordion is retracted.
9. The case of claim 8, wherein the cavity comprises a male snap-fit portion (13) for attachment to a female snap-fit portion (16) of the socket, whereby the socket is attached to the case body.

10. A method comprising the steps of:

attaching a socket (24) including an accordion (2) forming a conical shape and having walls (8, 10, 11, 12) interspersed with flexural hinges (9) to the back of a portable media player (200); and  
selectively extending the socket by unfolding the accordion generally along its axis; and  
selectively retracting the socket by folding the accordion generally along its axis such that the walls fold next to each other (29), wherein the walls are rigid relative to the hinges, and the accordion is constructed and arranged such that the walls remain generally parallel to the axis when the socket is selectively extended or retracted.

11. A method of attaching a socket to the back of a portable media player case, said method comprising:

attaching a socket (24) including an accordion (2) forming a conical shape and having walls (8, 10, 11, 12) interspersed with flexural hinges (9) to the case,  
selectively extending the socket by unfolding the accordion generally along its axis; and  
selectively retracting the socket by folding the accordion generally along its axis such that the walls fold next to each other (29), wherein the walls are rigid relative to the hinges, and the accordion is constructed and arranged such that the walls remain generally parallel to the axis when the socket is selectively extended or retracted.

## Annex B

### EPO Amendments to EP(UK) 2 686 751 B1

#### Claims

- ~~1. A portable media player case (100, 101) for housing a portable media player (200), comprising:  
a case body (4) for housing the portable media player; and  
an extendable socket (24) attached to the case body, the socket including:  
  
an accordion (2) forming a conical shape and capable of extending outward from  
the case body and retracting back toward the case body, and  
a foot disposed at the distal end of the accordion, wherein the accordion comprises walls (8, 10, 11, 12)  
interspersed with flexural hinges (9), the walls being rigid relative to the hinges, and is constructed and  
arranged (29) such that the walls remain generally parallel to the axis of the accordion when the  
accordion is collapsed.~~
- 2.1 A socket (24) for attaching to ~~a portable media player (200) or to~~ a portable media player case (100, 101), comprising:  
  
a securing element (12, 13, 31, 32, 33, 34, 35) for attaching the socket to the back of the ~~portable media  
player or~~ portable media player case; and  
  
an accordion (2) forming a conical shape connected to the securing element, the accordion capable of  
extending outward from the portable media player and retracting back toward the portable media player;  
and a foot disposed at the distal end of the accordion,  
  
wherein the accordion comprises walls (8, 10, 11, 12) interspersed with flexural hinges (9), the walls  
being rigid relative to the hinges, and is constructed and arranged (29) such that the walls remain  
generally parallel to the axis of the accordion when the accordion is collapsed.
- 3.2 The ~~case of claim 1 or the~~ socket of claim 12, wherein the walls comprise flipper walls (10) oriented diagonally  
outwards from the axis of the accordion in the direction of extension when the accordion is extended and  
diagonally outwards from the axis of the accordion in the direction of collapse when the accordion is collapsed.
- 4.3 The ~~case of claim 1 or claim 3 or the~~ socket (24) of ~~claim 1 or~~ claim 2 ~~or claim 3~~, wherein the accordion is  
formed of polyester-based thermoplastic polyurethane elastomer, the walls are about 1 to 2mm thick and 2 to  
4mm long, and the flexural hinges are about 0.2 to 0.4mm thick and 1 to 2mm long.
- 5.4 The ~~case of claim 1 or claim 3 or claim 4 or the~~ socket (24) of any of claims 12 to 34, wherein the foot  
comprises a button (1) formed of a rigid material and extending radially past the distal end of the accordion.
- 6.5 The ~~case of claim 1 or any of claims 3 to 5 or the~~ socket of any of claims 12 to 45, wherein the foot comprises a  
suction cup (31).
- 7.6 The socket of any of claims 12 to 56, wherein the securing element comprises a suction cup (31) or a suction-  
cup tape (33).
- ~~8. The case of claim 1 or any of claims 3 to 6, wherein the case body forms a cavity (15) for housing the socket when  
the accordion is retracted.~~
- ~~9. The case of claim 8, wherein the cavity comprises a male snap-fit portion (13) for attachment to a female snap-  
fit portion (16) of the socket, whereby the socket is attached to the case body.~~

7. 10 A method comprising the steps of:

attaching a socket (24) including an accordion (2) forming a conical shape and having walls (8, 10, 11, 12) interspersed with flexural hinges (9) to the back of a portable media player (200); and  
selectively extending the socket by unfolding the accordion generally along its axis; and  
selectively retracting the socket by folding the accordion generally along its axis such that the walls fold next to each other (29), wherein the walls are rigid relative to the hinges, and the accordion is constructed and arranged such that the walls remain generally parallel to the axis when the socket is selectively extended or retracted.

8. 11 A method of attaching a socket to the back of a portable media player case, said method comprising:

attaching a socket (24) including an accordion (2) forming a conical shape and having walls (8, 10, 11, 12) interspersed with flexural hinges (9) to the case,  
selectively extending the socket by unfolding the accordion generally along its axis; and  
selectively retracting the socket by folding the accordion generally along its axis such that the walls fold next to each other (29), wherein the walls are rigid relative to the hinges, and the accordion is constructed and arranged such that the walls remain generally parallel to the axis when the socket is selectively extended or retracted.



**Description**

BACKGROUND OF THE INVENTION

5 FIELD OF THE INVENTION

**[0001]** The present invention relates to extending sockets for portable media players. In particular, exemplary embodiments of the one or more present inventions relate to portable media cases including one or more socket extensions.

10 DISCUSSION OF RELATED ART

**[0002]** Portable media players such as MP3 players and smart phones are often housed in protective covers or cases in order to protect the media player from scratching or damage from dropping. Such cases increase the effective size of the media player and typically serve no purpose beyond protection.

15 **[0003]** Some portable media player cases include an extra feature to enable a single further function beyond protection. For instance, some cases have an arm that extends for standing the case on its side; one has an arm that extends for headset management; some have a pocket for storing headsets; some have two humps to function as gaming grips; one has two extendable flaps with finger holes to be used as gaming grips; and some have a clip for mounting the player on a belt. However, there is no case that serves all of these functions, and there is no case that serves the mounting  
20 functions without adding significant effective size to the player.

**[0004]** US Patent No. 2011/0036876 discloses a protective case for a portable device.

**[0005]** US Patent No. 5,568,549 discloses a holder for a portable device connected to a flexible support.

**[0006]** A need remains in the art for portable media player cases and extending sockets that perform a multitude of functions, such as the aforementioned functions, without adding significantly to the effective size of the player.  
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SUMMARY OF THE INVENTION

examples disclosed herein

**[0007]** One or more ~~exemplary embodiments of the one or more present inventions~~ are directed to portable media player cases that include extending sockets for serving other purposes beyond protection of the player itself, such as  
30 one or more of storing headphone cords and preventing the cords from tangling, forming stand legs, forming gaming grips, clipping to belts, waistbands and shirt pockets, forming legs for wedging players that are phones between the shoulder and ear, and forming a grip that allows a user to securely hold and manipulate the player with one hand. Such cases include sockets extendable outward from the case. The sockets generally include extending elements, called "accordions," comprising cylindrical or conical membranes with flexural hinges having feet at their distal ends. The  
35 sockets are structured to allow headphone cords to be wound around the accordions when the sockets are extended, to prevent the cords from tangling. Cavities in the case are provided so that the sockets may collapse flush with the case and may be partially or fully retracted with headphone cords wrapped around them in order to save space. Buttons may attach at the distal ends of the socket and in at least one exemplary embodiment are rigid, and in at least one exemplary embodiment extend radially past the distal end of the sockets to secure cords and the like.

40 **[0008]** In at least one exemplary embodiment, the sockets further act as stand legs for propping the player in various tilted or upright positions for viewing, data entry, video conferencing, etc. In their expanded states, the sockets act as comfortable grips for gaming, data entry, and searching the Internet. In at least one exemplary embodiment, the sockets act as a belt mount: two sockets can collapse onto a belt between them, thereby securing the belt between the sockets and the back of the case. The sockets in their expanded state facilitate hands-free talking on phone players, allowing  
45 user to comfortably wedge the player between the ear and shoulder. A socket in its expanded state facilitates one-hand control of the player by allowing the user to wedge fingers between the socket and the back of the case, while manipulating the front of the player with the thumb of the same hand.

**[0009]** The extending elements may comprise accordions, including flexural hinges interspersed with walls. The accordion structures allow the buttons to extend not just straight outward from the case, but also to curve away from the  
50 outward axis at various oblique angles. The buttons may snap onto the ends of the accordions, be glued on, or be feet integrally formed with the accordions. In particular, in at least one exemplary embodiment the accordions form cones having rotating "flipper" walls as well as fixed walls that jointly result in the walls folding down next to one another (such that the walls are generally parallel to the axis of the accordion) rather than stacking on top of one another.

**[0010]** A socket maintains full functionality without the buttons, and its feet may further form suction cups for attaching  
55 the player temporarily to flat surfaces. A socket may be attached to the case or ~~directly to a portable media player~~. It may be attached permanently or temporarily, for instance by snap-fit or suction cup, and it may be integrally formed with the case. The buttons' purpose includes, but is not limited to, decoration. Designs can be added to the surface of the buttons. The buttons may also take on different forms to play different roles, such as mounting jacks for players that

function as cameras or suction cups to attach to a surface.

[0011] In one <sup>example</sup> ~~exemplary~~-embodiment, the case comprises an outer body, covering the edges and part of the back of the player, formed of a soft, flexible material such as thermoplastic urethane; an inner body or "socket-board", covering the inner region of the back of the player, formed of a hard plastic, such as polycarbonate, integrally formed with the outer body; two accordions, formed of flexible material, for example a polyester-based thermoplastic polyurethane elastomer such as Skythane® S190A, snap-fit to the socket-board; and two buttons, formed of hard plastic, such as polycarbonate, glued to the accordions. The case forms an opening for the portable media player screen in the front, with two socket extensions in the back.

[0012] Other <sup>examples</sup> ~~exemplary~~-embodiments include variations in (i) part material; (ii) number of socket extensions; (iii) location of socket extensions; (iv) mode of attachment of button to accordion; (v) mode of attachment of accordion to case body or portable media player; (vi) presence or absence of: button, case body, and socket-board; (vii) number of case body parts; and (viii) presence or absence of a component for connecting sockets extensions to the electronic components of the player to enable further functionality such as speakers.

[0013] The application is defined by the appended claims.

BRIEF DESCRIPTION OF THE DRAWINGS

[0014]

Figure 1 comprises Figure 1A, 1B, 1C, 1D, and 1E. Figure 1A is an isometric back view of a portable media player case according to at least one ~~exemplary-embodiment~~ <sup>example</sup> of the one or more present inventions, wherein the sockets retracted, or collapsed.

Figure 1B is an isometric back view of the portable media player case of Figure 1A with its sockets opened, or extended.

Figure 1C is an isometric back view of the portable media player case of Figure 1A, with its sockets removed.

Figure 1D is an isometric front view of the portable media player case of Figure 1A, with a smart phone disposed within the case.

Figure 1E is an isometric front view of the portable media player case of Figure 1A, with the smart phone removed.

Figure 2 is an isometric exploded back view of the portable media player case of Figure 1.

Figure 3 comprises Figures 3A and 3B. Figure 3A is an exploded end view of the media case of Figure 1. Figure 3B is a side view of an alternative folding section.

Figure 4 comprises Figures 4A and 4B. Figure 4A is a cutaway, isometric, exploded, side view of the portable media player case of Figure 1, sectioned along the line A-A indicated in Figure 3A. Figure 4B is a cutaway isometric side view of the portable media player case of Figure 1.

Figure 5 is a detailed cutaway isometric side view of a portion of the portable media player case of Figure 1 sectioned along the line A-A indicated in Figure 3A.

Figure 6 is a side view of the portable media case of Figure 1 propped upright by extending the lower of the two sockets at an oblique angle to the case.

Figure 7 is an isometric side view of the portable media player case of Figure 1 tilted by extending the upper of the two sockets.

Figure 8 is an isometric side view of the portable media player case of Figure 1 disposed sideways and tilted by extending the two sockets.

Figure 9 is a side view of the portable media player case with both sockets partially extended at an oblique angle, to allow for a shallow horizontal stand by resting case on faces of buttons or a steep horizontal stand by resting case on edges of buttons extended farthest from case.

Figure 10 comprises Figures 10A and 10B. Figure 10A is a back isometric view of a portable media player case according to an embodiment of the present invention with the sockets extended and a headphone cord wrapped around the accordions.

5 Figure 10B is a back isometric view of a portable media player case according to an exemplary embodiment of the present invention with the sockets partially retracted and a headphone cord wrapped around the accordions.

Figure 11 comprises Figures 11A and 11B. Figure 11A is a back isometric view of a portable media player case according to an embodiment of the present invention with the sockets extended in oblique configurations and a belt  
10 inserted between the sockets.

Figure 11B is a back isometric view of a portable media player case according to an exemplary embodiment of the present invention with the sockets almost completely retracted and a belt inserted between the sockets.

15 Figure 12 comprises Figures 12A and 12B. Figure 12A is an exploded side view of a socket including an accordion and a suction cup, and either a portable media player or a portable media player case according to an exemplary embodiment of the present invention wherein the socket attaches to a portable media player or portable media player case by way of a suction cup that is snap-fit to one end of the accordion.

20 Figure 12B is an exploded side view of a socket, with a suction-cup tape platform, suction-cup tape, and either a portable media player or a portable media player case according to an exemplary embodiment of the present invention wherein the socket attaches to a portable media player or portable media player case by way of suction-cup tape whose surface opposite the suction-cup surface is glued to a semi-rigid platform that snap-fits to one end  
25 of the accordion.

DETAILED DESCRIPTION OF THE INVENTION

[0015] The following table lists elements of the illustrated exemplary embodiments of the invention and their associated reference numbers for convenience.

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Ref. No.	Element
1.	Button
2.	Accordion
35 3.	Socket-board
4.	Outer case body
5.	Vertical button wall
6.	Button ring
7.	Accordion vent
40 8.	Accordion top vertical wall
9.	Accordion flexural hinge
10.	Accordion flipper wall
11.	Accordion middle vertical wall
12.	Accordion bottom vertical wall
45 13.	Accordion male snap-fit
14.	Socket-board flange
15.	Socket-board socket cavity
16.	Socket-board female snap-fit
50 17.	Case body camera hole
18.	Case body power button hole
19.	Case body lip
20.	Case body speaker hole
21.	Case body port hole
22.	Case ringer hole
23.	Case volume button
55 24.	Socket (comprises 1 and 2)



(continued)

Ref. No.	Element
25.	Headphone jack hole
26.	Headphone jack (not part of invention)
27.	Headphone cord (not part of invention)
28.	Belt (not part of invention)
29.	Folding portion of accordion
30.	Socket-board camera and flash hole
31.	Suction-cup
32.	Suction-cup tape platform
33.	Suction-cup tape
34.	Suction-cup female snap-fit
35.	Suction-cup tape platform female snap-fit
100.	Portable media player case constructed to attach a socket
101.	Portable media player case not constructed to attach a socket (not part of invention)
200.	Media player (not part of invention)

**[0016]** Figure 1 comprises Figures 1A, 1B, 1C, 1D, and 1E. Figure 1A is an isometric back view drawing of a portable media player case 100 according to the present invention with the accordions 2 of its sockets 24 retracted, or collapsed. Figure 1B is an isometric back view of portable media player case 100 with its accordions 2 opened, or extended.

**[0017]** Case 100 comprises outer case body 4, including socket-board 3, and sockets 24. Each socket 24 generally comprises a collapsible accordion 2 attached to case 100 such that it collapses to nestle within cavity 15, and a button 1 attached to the distal end of accordion 2. Button 1 may comprise a separate attached element or may be integral with accordion 2.

**[0018]** Figure 1A shows case 100 in a collapsed configuration. In a preferred exemplary embodiment, each socket 24 fits within its cavity 15 (shown in Figure 1B) such that the outer surface of button 1 is essentially flush with the back of the case body, and the circumference of button 1 fills cavity 15 leaving little gap between button 1 and the back of case body 4. The advantage of this exemplary embodiment is that the back of case 100 forms a fairly smooth surface that does not catch on other items or collect detritus. Thus, the case is very similar to conventional portable media player cases in this configuration. Case 100 may be unitary or constructed as shown in Figures 2-5, described below.

**[0019]** Like conventional cases, case 100 generally includes openings forming ports applicable to the media player, for example speaker holes 20, port hole 21, ringer hole 22, volume buttons 23, and headphone jack hole 25.

**[0020]** Figure 1B shows case 100 with accordions 2 of sockets 24 extended. The user pulls buttons 1 out from case body 4, and accordions 2 unfold and extend outward.

**[0021]** Preferably, accordions 2 are stable in their extended position so they stay open until buttons 1 are pressed and sockets 24 close again. The advantages of extendable sockets 24 are described below in detail, and include allowing headphone cord storage and forming adjustable stands for the media player.

**[0022]** Figure 1C is an isometric back view of portable media player case 100, with its sockets 24 removed. This allows an unobstructed view of the back of case 100. In this exemplary embodiment, the back of case 100 is formed of an attached socket-board 3, forming socket cavities 15 having female snap-fit portions 16 for attaching accordions 2. Figure 1D is an isometric front view of portable media case 100, with a media player 200 (such as an iPhone™ smart phone) disposed within the case.

**[0023]** Figure 1E is an isometric front view of portable media case 100, with media player 200 removed. Case 100 is sized to fit media player 200. For example, in the case where media player 200 comprises an iPhone™, it might be about 118mm tall by 62mm wide by 16mm thick. Buttons 1 might be around 40mm in diameter 4mm thick, and accordions 2 might extend outward about 22mm.

**[0024]** Figures 2-5 show examples of the construction and operation of the case with the sockets. Figures 2, 3 and 4A show exploded views of case 100, and Figures 4B and 5 show cutaway views, sectioned along line A-A indicated in Figure 3A, illustrating the operation of the sockets 24.

**[0025]** Figure 2 is an isometric exploded back view of one exemplary embodiment of portable media case 100. In this exemplary embodiment, the back surface of outer case body 4 comprises a socket-board 3 including a socket-board flange 14 over-molded onto outer case body 4 and forming socket-board cavities 15 which have female snap-fit portions 16. Sockets 24 comprise accordions 2 and buttons 1. Each accordion 2 includes a male snap-fit portion 13 for attachment to socket-board female snap-fit 16 (better shown in Figures 4 and 5). In a preferred exemplary embodiment, each accordion is structured with accordion vents 7 to allow for air movement during expansion and contraction, and a folding



section 29 comprising walls and hinges (better shown in Figures 4 and 5). As an alternative, folding section 29 could be configured similarly to the bendable portion of a bendable straw or Slinky® Pop Toob as shown in Figure 3B. (see for example U.S. Pat. Nos. 2,094,268 and 4,846,510, incorporated herein by reference).

[0026] A In a preferred exemplary embodiment, case body 4 is formed of TPU or TPE. Socket-board 3 is formed of PC or ABS, as are buttons 1. Accordions 2 are formed of Skythane® S190A or low-density polypropylene.

[0027] Figure 3 comprises Figures 3A and 3B. Figure 3A is an exploded end view illustrating the structure of a preferred exemplary embodiment of accordion 2 in detail. Each accordion 2 includes a folding section 29 comprising a series of relatively rigid walls 10, 11, 12 interspersed with flexural (or "living") hinges 9, which flex as accordion 2 is collapsed or expanded. Accordion 2 further comprises top vertical wall 8 (for connection to button 1) and bottom vertical wall 12.

[0028] Figure 3B shows an alternative folding section 29A of accordion 2. In these examples, folding sections 29A comprises flexible membranes including hinges. In the exemplary embodiment of Figure 3A, accordion 2 forms a cone. This allows walls 8, 10, 11, 12 to fold next to one another (as shown in Figure 5) rather than stacking on top of one another as is the case with the exemplary embodiment of Figure 3B. Both exemplary embodiments 29 and 29A are stable in various extended configurations.

[0029] Figure 4A is an isometric exploded side view of the portable media case of Figure 1, sectioned along the line indicated in Figure 3A. Figure 4B is a sectioned isometric side view of the portable media case of Figure 1, after fabrication. Sockets 24 are extended outward. As an example, vertical button wall 5 is glued to accordion top vertical wall 8. Accordion male snap-fit 13 engages with socket-board female snap-fit element 16. Other exemplary embodiments might have button 1 formed integrally with, or snap-fitted to, accordion 2, or have accordion 2 permanently affixed to socket-board 3.

[0030] Figure 5 is a detailed sectioned isometric side view of a portion of the portable media player case of Figure 1, sectioned along the line A-A indicated in Figure 3A. Socket 24 is in its collapsed position. Note that flexing of hinges 9 allows walls 10 and 11 to fold up in a generally parallel configuration next to one another, rather than stacking on top of one another. Walls 10 are designated as flipper walls, because they are oriented diagonally upward when accordions 2 are extended and diagonally downward when accordions 2 are closed. Walls 8, 11, and 12 remain oriented vertically in both configurations, and do not rotate. Wall 5 is rigid and does not rotate. Note that the terms "upward" and "downward" are used for convenience in describing the drawings, but are specifically intended to include the case in various other orientations.

[0031] In one exemplary embodiment, accordion 2 is a cone formed of Skythane® S190A. Walls 8, 10, 11, 12 are all about 1 to 2mm thick and 2 to 5mm long. Flexural hinges 9 are about 0.2 to 0.4mm thick and 1 to 2mm long. Flipper walls are about 20-40 degrees off vertical when accordion 2 is in an expanded state. This allows walls 8,10,11,12 to fold next to one another in a generally parallel configuration as show in Figure 5, reducing the profile of socket 24 in its collapsed configuration.

[0032] Button ring 6 presses into accordion male snap-fit 13, in order to urge it to engage with socket-board female snap-fit 16.

[0033] Figure 6 is a side view of portable media case 100 propped upright (called the video conference mode) by extending the lower of the two sockets 24 at an oblique angle to outer case body 4. Figure 7 is an isometric side view of case 100 slightly tilted (called the text mode) by extending the upper of the two sockets. Figure 8 is an isometric side view of the case 100 disposed sideways and tilted (called the theater mode) by extending the two sockets 24, either straight out for a steeper angle, or obliquely for a shallower angle.

[0034] Figure 9 is a side view of the portable media case configured in the theater mode similar to Figure 8, with sockets 24 extended obliquely. When resting on the faces of the buttons in this configuration, portable media case is in what is called surfing mode, well suited for browsing the Internet.

[0035] Figure 10 comprises Figures 10A and 10B, and shows case 100 used to retain a headset cord 27 without tangling. Figure 10A is a back isometric view of case 100 with the sockets extended. The user has inserted a headset jack 26 into media player 200 via headset jack hole 25, and has wound headphone cord 27 around accordions 2. Figure 10B is similar to Figure 10A, except that sockets 24 have been mostly retracted. This retains cord 27, reduces the thickness of case 100, and lowers the chance of catching buttons 1 on other objects. It is helpful for buttons 1 to extend radially past accordions 2 so that buttons 1 form a lip for retaining cord 27 (or a belt 28 as shown in Figure 11).

[0036] Figure 11 comprises Figures 11A and 11B, and shows sockets 24 gripping a belt 28, in order to retain case 100. Figure 11A is a back isometric view of case 100 with the sockets extended, so that belt 28 can be inserted under buttons 1 and between accordions 2. Figure 11B is similar to Figure 11A, except that sockets 24 have been mostly retracted, to grip belt 28 more tightly and reduce the profile of case 100.

[0037] Figure 12 comprises Figures 12A and 12B, and shows socket 24 attaching either to portable media case 101 or to portable media player 200. Figure 12A is an exploded side view of a socket 24, a suction cup 31, and either a portable media player 200 or a portable media player case 101 according to an exemplary embodiment of the present invention wherein the socket attaches to a portable media player 200 or portable media player case 101 by way of a suction cup that is snap-fitted to one end of the socket 24. Figure 12B is an exploded side view of a socket 24, a suction-cup tape platform 32, suction-cup tape 33, and either a portable media player 200 or a portable media player case 101

according to an exemplary embodiment of the present invention wherein the socket 24 attaches to a portable media player 200 or portable media player case 101 by way of suction-cup tape 33 whose surface opposite the suction-cup surface is glued to a platform 32 that is snap-fitted to one end of the socket 24.

**[0038]** While the exemplary preferred exemplary embodiments of the present invention are described herein with particularity, those skilled in the art will appreciate various changes, additions, and applications other than those specifically mentioned. For example, media player 200 might be a tablet or an MP3 player or other device such as an iPod Touch™. Case 4 would then be sized accordingly, and the appropriate portholes provided. In addition, more or fewer sockets may be provided. The sockets and buttons may have different shapes and sizes. They might be resilient rather than rigid, or form suction cups.

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