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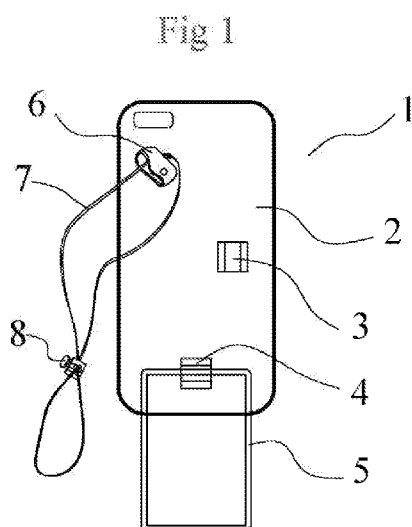
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(54) Title: A VIEW DEVICE SUPPORT



(57) Abstract: We are shown in figure 1, the back view of a view device support in accordance with the present invention wherein the view device support (1), has a view device support holder (2), where a view device can be housed, a landscape view angle support bracket (3), where a view angle support leg frame (5) can be interchanged and attached, a portrait view angle support bracket (4), where a view angle support leg frame (5) can be attached, a view device support bracket (6), where a support string (7) can be attached to support the view device support (1), a support string buckle (8) is used to control the length of the support string (7), a view device can be a smart phone, a computer lab top, or any similar device.



A View Device Support

Technical Field

[001] This invention relates to a view device support, in particular it is a hand free support for viewing a view device, where by user does not need to use any hand or palm to hold and to support a view device, or does the user need to use a table or any solid standing furniture or structure, or a wall or ceiling to hang and to support a view device to be able to still read, or to view a view device, in public transport or at home, a view device can be a smart phone, a computer lab top, a computer tablet, an electronics book, a viewing monitor, a VDO player, a DVD player, a display device, a display screen, a book, or any similar device.

Background Art

[002] View device such as smart phone, computer tablet, computer laptop, or electronic book when it is used, it is lay on a flat surface such as a table so that user can view it. There are many view device holders existing where a view device can be protected from being damaged or scratched, some device holder is designed where a holder can be folded so that it makes a stance for the view device to be rested at an inclined angle to provide at a comfortable and clear view angle for user. The only ways which a view device can be viewed by user are that a view device has to be rested on a flat surface, rested on a table, hung from a ceiling or from a wall, or is held on user's hand, in front of user's eyes with an inclined angle so that user can view it..

[003] The viewing problem may arise when user is travelling in public transport such as on a bus, a train, or a car, where there are no solid structure such as a table, which can hold and support a view device, or a view device has to be hung in front of user so that user can view and use it, the possible and usual way is that user has to hold by hand a view device in front of user. However when user has to hold a view device in public transport such as on a bus or train, or even private car, there are a few other problems arise, the problems usually are that in a crowded bus or train, it is difficult to hold a view device to read because of limited space available in front of user, and when user has to hold and to view a view device for a long period of time, and repetitively over a period of time, user may experience soreness and tiredness hand, arm and elbow, and eventually user will even develop the repetitive injuries in the hand, palm, arm and elbow, other problems arise also when other people on train move in and out of train, other people may make contact, and knock a view device off user's hand.

[004] Similar problems may exist for user even when user is at home, whether sitting on a chair without a table, or sitting in bed, there is no other means of supporting the view device except by user's own hand, thus user will eventually develop the sore arm or repetitive injuries.

[005] There are other means to only carry a view device by either putting it in user's bag, or by hanging it over user's neck, or shoulder, but these can only provide ways and means of carrying a view device, however any of these ways cannot provide any ways or means where user can use, read, or view a view device without using some kind of supports such as user's own hand, a table or wall.

[006] It is a goal of the present invention is to create a view device support that provide solutions and fix the above mentioned problems, that every user if not most users of the modern world have with daily using of a view devices, especially in public transports, in user's own car, or at home, and especially with a smart phone or a computer tablet. The present new invention can provide the supportive way, secured way, good way and convenient way for viewing and using a view device, when in public transports or at home, at the same time can prevent repetitive injuries, soreness, or tiredness for users while using a view device.

Summary of Invention

[007] The present invention is a view device support which can support a view device for viewing without using user's hand, or any solid structure such as a table to hold the view device, a view device support has a view device support holder, where a view device can be housed, a view device support bracket, where a support string can be attached to it so that user can hang the support string over user's neck, a portrait view angle support bracket, where a view angle support frame can be attached to provide a portrait view, a landscape view angle support bracket, where a view angle support frame can be attached to provide a landscape view, the view angle support frame provides a desired view angle and distance to user; the view device support bracket, the portrait and landscape view angle support brackets, and the view angle support frame are housed at the back of the view device support holder, where these support brackets can be housed by a single of combination of means such as permanently in-built, or as attachment by means of adhesive and/ or fasteners such as screws, bolts, rivets, but not limited to these means, a view device can be a smart phone, a computer lab top, a computer tablet, an electronics book, a viewing monitor, a VDO player, a DVD player, a display device, a display screen, a book, or any similar device.

[008] In another preferred embodiment, the landscape view angle support bracket, the portrait view angle support bracket, and the view device support bracket, are built at the back of the view device support holder, these brackets can be constructed externally as the support brackets, in place of the built in brackets; the support brackets are built on one side of the supporting surfaces where the brackets can be fitted on to, while on other side of the supporting surface are made of adhesive material where they can be attached to the surface of a view device support holder, on and at the same positions of the said brackets.

[009] In another preferred embodiment, the supporting brackets as described above, where the adhesive material surface can be replaced with fasteners such as rivets, eyelets, bolts or screws to provide the attachment means of these brackets onto the view device support holder, holes on the view device support holder can be formed at positions where the rivets, eyelets, screws or bolts are used

[0010] In another preferred embodiment, the supporting brackets described above can be directly attached with adhesive to the back of a view device, without having to use a view device holder.

[0011] In another preferred embodiment, the supporting brackets as described above, with either adhesives or fasteners, can be directly attached to a view device support holder of the view device support, or to any view device holder for which a view device can be housed.

[0012] Preferably, the support string can be hang over user's neck or shoulders, where a support string buckle can be adjusted the length to user's preference, and to user's desired view distance and angle

[0013] In another preferred embodiment, the support string can be replaced with an clamp for which it can be clamped to user's upper or lower arm, bag, or shirt, to provide the support to a view device similar to that of a support string.

[0014] Preferably, the view device support bracket is built at the back and at 45 degrees angle on the near top left or right hand side edges of the view device support, to prevent the string from being tangled up when the support string is rotated 90 degrees clockwise, or anticlockwise to provide a portrait or landscape oriented view.

[0015] In another preferred embodiment, the view device support bracket is replaced with four support rings, where two rings being built at the upper edges on the left and right hand side of the holder, so that when a support string is attached here, it can provide a portrait view, and the other two rings are built at the middle top edge, and middle bottom edge of the view device support holder, so that when the view device support is rotated 90 degrees, and the support string is set up and attached to these two rings, to provide a landscape view

[0016] In another preferred embodiment, the view device support bracket can be replaced with two view device support brackets, where one bracket is built at the upper and one at lower middle part at the back of the view device holder, a portrait view, or landscape view, can be interchanged by changing the support string setting up accordingly.

[0017] In another preferred embodiment, the view device support bracket can be replaced with two support brackets, where one bracket is attached or fastened at the upper and one at lower middle part at the back of the view device holder, a portrait view, or landscape view, can be interchanged by changing the support string setting up accordingly.

[0018] In another preferred embodiment, the landscape and portrait view angle support brackets can be replaced with the double landscape and the double portrait view angle support brackets, the view angle support frame is also replaced with the double view angle support frames, which can provide the same functions to support for the desired view angle and distance.

[0019] In another preferred embodiment, the view angle support brackets are replaced with sliding grooves, where the view angle support frames can be sliding in and out along the grooves, on the same surface of the back of the view device support holder surface.

[0020] In another preferred embodiment, the portrait and landscape view angle support brackets are replaced with one rotational hinge bracket, where the portrait bracket is, the view angle support frame can be pivoting at this hinge, on the same surface of the back of the view device support holder surface, when it is rotated 90 degrees clockwise toward the bottom edge of the view device support holder, it can support a portrait view, when it is rotated 90 degrees anticlockwise toward the right hand side edge of the view device support holder, it can support a landscape view, additionally, the frame can have additional extension frame assembled to them so that they can provide extra length, and thus extra view distance, and desired view angles.

[0021] In another preferred embodiment, a view device support has a fixed or adjustable size holder, for adjustable holder, the support edges constructed to the extendable arms, where different sizes of view devices can be housed.

[0022] Preferably, when the view angle support frame is folded in, a view device support can be worn over user's neck.

[0023] Preferably, when the portrait view angle support frame is being unfolded from the portrait view angle support bracket, the view device support can be viewed in portrait view.

[0024] Preferably, when the landscape view angle support frame is being unfolded from the landscape view angle support bracket, and when the view device support is rotated 90 degrees, the view device support can be viewed in landscape view.

[0025] Preferably, when a portrait view is desired, the set up the support string with the view device support bracket can be done with the support string being attached to the device support bracket, and the support string is looped over the back and upper edge of a view device support holder, to provide a portrait view.

[0026] Preferably, and similarly when a landscape view is desired, the set up the support string with the view device support bracket can be done with the support string being attached to the device support bracket or brackets, and the support string being looped over the back and upper edge of a view device support holder, and the view device support is rotated 90 degrees, to provide a landscape view.

Brief Description of Drawings

[0027] Figure 1 is a schematic diagram showing the back view of a view device support in accordance with the present invention.

[0028] Figure 2 shows the front view of a view device support in accordance with the present invention as described in figure 1.

[0029] Figure 3 shows the support brackets of the view device support bracket, the landscape view angle support bracket, and the portrait view angle support bracket; also shows the back view of either a view device support, or the back of a view device support holder.

[0030] Figure 4 shows the support brackets, that is, the view device support bracket, the landscape view angle support bracket, and the portrait view angle support bracket, being attached to the back of a view device support, or attached to the back of a view device support holder

[0031] Figure 5 shows another preferred embodiment of a view device support, where the view device support holder are adjustable, here shows the back view of an adjustable view device support holder where the arms can be extended or contracted.

[0032] Figure 6 shows a view device support fitted to an adjustable view device support.

[0033] Figure 7 shows an example of how the view angle support holder, the support string, and landscape view angle support frame, are set up for a landscape view.

[0034] Figure 8 shows an example of user wears a view device support in landscape view.

[0035] Figure 9 show an example of how user can wear a view device support, when the view angle support frame folded.

[0036] Figure 10 shows how user can wear a view device support in portrait view.

[0037] Figure 11 shows another preferred embodiment of a view device support with the double view device support brackets, being set up for a portrait view.

[0038] Figure 12 shows another preferred embodiment of a view device support with the double view device support brackets, being set up for a landscape view.

[0039] Figure 13 shows another preferred embodiment where the view device support bracket being replaced with four view device support rings, being set up for a portrait view.

[0040] Figure 14 shows another preferred embodiment where the two landscape and portrait view angle support brackets are replaced with a single rotational hinge, where the view angle support frame is rotated about the hinge in the same surface of the back of a device view support holder, with the additional extension frame to provide extra length thus provide an extra view distance and view angle, the setup is for a portrait view, with the frame being rotated and unfolded.

[0041] Figure 15 shows another preferred embodiment where the two landscape and portrait view angle support brackets are replaced with a single rotational hinge, the view angle support frame is rotated about the hinge in the same surface of the back of a device view support holder, with the additional extension frame to provide extra length thus provide an extra view distance and view angle, the setup is for a landscape view, with the frame being rotated and unfolded.

[0042] Figure 16 shows another preferred embodiment where the portrait view angle support bracket is replaced with the double grooves, where the view angle support frame can be slid along the grooves, the setup is for a portrait view, a landscape view is set up when the frame is attached to the right hand side grooves.

[0043] Figure 17 shows another preferred embodiment where the portrait view angle support bracket is replaced with the multiple rotational hinges brackets, the double view angle support frames can be rotated about the axis, the setup is for a portrait view when both the frames at the bottom are rotated out clockwise 90 degrees; a landscape support view is achieved by rotating the frame on the right hand side of the view device support anticlockwise by 90 degrees.

[0044] Figure 18 shows another preferred embodiment where the landscape view angle support bracket is replaced with the double rotational hinges, the double view angle support frames can be rotated about the axis, the setup is for a landscape view.

[0045] Figure 19 shows another preferred embodiment, where the support string is replaced with the clamp, and clamped onto user's arm to provide the support for the view device support.

[0046] Figure 30 shows another preferred embodiment, where the support string is replaced with the clamp, and clamped onto user's shirt to provide the support for the view device support.

Description of Embodiments

[0047] We are shown in figure 1 a schematic diagram of view device support in accordance with the present invention wherein the view device support 1, has a view device support holder 2, where a view device can be housed at the front of the view device holder; from the back of the view device holder, a landscape view angle support bracket 3, which is built toward the middle right hand side edge of the back of the view device support holder, where a landscape view angle support frame can be attached to, to provide a desired view angle and view distance for a landscape view, a portrait view angle support bracket 4, which is built toward the middle bottom edge of the back of the device support holder, where a portrait view angle support frame 5, can be attached to, to provide a desired view angle and view distance for a portrait view, a view device support bracket 6, which is built toward the top left edge at the back of the device support holder, where a support string 7 can be attached, the support string can be adjusted in length with a support string buckle 8, to provide a desired view distance and angle, a view device can be a smart phone, a computer lab top, a computer tablet, an electronics book, a viewing monitor, a VDO player, a DVD player, a display device, a display screen, a book, or any similar device, but not limited to these view devices.

[0048] Figure 2 shows the front view of a view device support as described in figure 1, with the front body holder 9, the surround support edges 10, to keep a view device secured, a view angle support frame 11 to provide a better view angle as desired, and a support string 12, for which user can wear it.

[0049] Figure 3 shows the support brackets, where the view device support bracket 14 is constructed on a support surface 13, the landscape view angle support bracket 16 is constructed on support surface 15, and the portrait view angle support bracket 18 is constructed on the support surface 17, on the other side of the supporting surfaces for all these surfaces are made of adhesive material and/ or fasteners where they can be used to attached to the surface of a view device support, or a view device support holder, the back of a view device support, or any view device support holder 19 is where the support brackets can be attached.

[0050] Figure 4 shows how the support brackets from figure 3, the view device support bracket, the landscape view angle support bracket, and the portrait view angle support bracket can be attached to either the back of a view device support 20, or a view device support holder 20, the support string 21 is set up for a portrait view.

[0051] Figure 5 shows the adjustable view device support holder 22, with extendable horizontal arms 23, vertical extendable arms 24, and a view device support bracket 25, various sizes of view device can be housed with this adjustable view device support holder.

[0052] Figure 6 shows an example of an adjustable view device support holder 27 fitted to a view device support 26, and the support string 28 is attached to the view device support bracket, this set up is for a portrait view.

[0053] Figure 7 shows an example of how the landscape view angle support frame 31 is set up for a landscape view, where it is attached to the landscape view angle support bracket, the support string 30 is attached to the view device support bracket, and looped around the longer edge of the view device holder, and the view device support 29 is rotated 90 degrees for a landscape view.

[0054] Figure 8 shows an example of how user can wear and view a view device support 33 in landscape view, with support string 30 worn over user's neck, and the landscape view angle support frame 31 is set up to support a landscape view.

[0055] Figure 9 show how user can wear a view device support 36, over user's neck with support string 35, the view angle support frame 37 is folded into the view device support.

[0056] Figure 10 shows an example of how user can wear and view a view device support 39 in portrait view, with support string 38 worn over user's neck, and the portrait view angle support frame 40 is set up to support a portrait view.

[0057] Figure 11 shows another preferred embodiment of a view device support with the double view device support brackets 42, which are attached to the back of either a view device support, or a view device support holder 41, the support string 43 is attached to the upper view device support bracket 42, to set up for a portrait view.

[0058] Figure 12 shows another preferred embodiment of a view device support with the double view device support brackets 45, which are attached to the back of either a view device support, or a view device holder 44, the support string 46 is attached to both the view device support brackets 45, the view device support is rotated 90 degrees to set up for a landscape view.

[0059] Figure 13 shows another preferred embodiment where the view device support bracket is replaced with four view device support rings 48, the two view device support rings are built toward upper part of view device support holder 47, on the left and right hand sides, while the other two rings are built toward the edges of middle top and bottom part of the view device support holder, the support string 49 is attached to the two left and right rings to set up for a portrait view, similarly a landscape view can be set up by rotating the view device support 47 by 90 degrees, and attached the support string 50 to the other two support rings 51.

[0060] Figure 14 shows another preferred embodiment, where the portrait and landscape view angle support brackets where they are replaced with a single rotational hinge 53, the view angle support frame 55, together with an additional frame extension 54 to provide an extra and better view distance and view angle, can be rotated about the hinge, in the same surface of the back of a device view support holder 52, the setup is for a portrait view.

[0061] Figure 15 shows another preferred embodiment, where the portrait and landscape view angle support brackets where they are replaced with a single rotational hinge 59, the view angle support frame 58, together with an additional frame extension 57 to provide an extra and better view distance and view angle, is rotated about the hinge, in the same surface of the back of a device view support holder 56, the setup is for a landscape view.

[0062] Figure 16 shows another preferred embodiment, where the portrait view angle support bracket is replaced with the double grooves 63, where the view angle support frame 62 can be slid along the grooves, the setup is for a portrait view, the frames being slid out for a portrait view; while the landscape view angle support bracket is replaced with the double grooves 61, where the landscape view angle support frame 60 can be slid along the grooves, the frames being slid out for a landscape view.

[0063] Figure 17 shows another preferred embodiment, where the portrait view angle support bracket is replaced with the multiple rotational hinges brackets 66, 69 and 71, toward the back bottom part of the view device support holder 65, the double view angle support frames 68 can be rotated 90 degrees clockwise about the axis, the frames being rotated out for a portrait view; when both frames 68 and 70 are rotated anticlockwise 90 degrees from the right hand side of view device holder 65, a landscape view support is achieved.

[0064] Figure 18 shows another preferred embodiment, where the clamp 74 is used instead of a support string, and is attached to the view device support bracket 73 of the view device support 72, and clamped onto user's arm to provide the support for the view device support.

[0065] Figure 19 shows another preferred embodiment, where the clamp 76 is used instead of a support string, and is attached to the view device support bracket 75 of the view device support 77, and clamped to user's shirt to provide the support for the view device support.

CLAIMS

1. A view device support comprises a view device support holder, where a view device can be housed at the front of the view device holder, at the back of the view device holder, a landscape view angle support bracket which is housed toward the middle right hand side edge of the back of the view device support holder, where a landscape view angle support frame can be attached to, a portrait view angle support bracket which is housed toward the middle bottom edge of the back of the device support holder, where a portrait view angle support frame can be attached to, a view device support bracket which is housed toward the top left edge at the back of the device support holder, where a support string can be attached, the support string can be adjusted in length with a support string buckle, to provide a desired view angle and distance.
2. A view device support according to claim 1, where the support brackets, namely, the view device support bracket, the landscape view angle support bracket, and portrait view angle support bracket, which can all be either in-built brackets, and/ or attachment brackets to the view device holder, the brackets can be a single type or a combination of in-built, and /or attachment brackets, and the attachment can be made from various materials and means such as adhesive, and / or fasteners, but not restricted to these methods.
3. A view device support according to claims 1 and 2, where, the view device support bracket, the landscape view angle support bracket, and portrait view angle support bracket can be designed such that they can be directly attached to the back of a view device, without having to use a view device support holder, or can be attached to any view device holder.
4. A view device support according in claims 1, 2 and 3, where the view device support holder can be made of fixed size holder, or adjustable size holder, in case of an adjustable size holder, the upper, lower, left and right hand edges are being constructed on the adjustable arms, thus the holder can be adjusted so that different sizes of view devices can be housed.

5. A view device support according in claims 1, 2, 3 and 4, where the landscape view angle support bracket and portrait view angle support bracket can be replaced with the multiple landscape and multiple portrait view angle support brackets, they can be evenly spaced out toward the corner edges of the view device holder, and the view angle support frames can be replaced with a single or the multiple view angle support frames.
6. A view device support according in claims 1, 2, 3, 4, and 5, where the landscape view angle support bracket and portrait view angle support bracket are replaced with the rotational hinges brackets, where the view angle support frames can be pivoted about the hinges, on the same surface of the back of the view device support holder surface.
7. A view device support according in claims 1, 2, 3, 4, 5 and 6, where the landscape view angle support bracket and portrait view angle support bracket are replaced with the sliding grooves brackets, where the view angle support frames can be fitted to and can be slid in and out along the grooves, on the same surface of the back of the view device support holder surface.
8. A view device support according in claim 1, where the view device support bracket is replaced with four support rings, with two rings are built toward the upper edges on left and right side of the view device support holder, while the other two rings are built toward the middle top and bottom edges of the view device support holder, and where a support string can be attached.
9. A view device support according in claims 1, 2, 3, 4, 5, 6, 7 and 8, where the view device support bracket is replaced with two view device support brackets, one is built in the middle top edge, while the other is at the middle bottom part at the back of the view device support holder.
10. A view device support according in claims 1, 2, 3, 4, 5, 6, 7, 8 and 9, where the view angle support fame(s) can be folded into or unfolded from the view device support holder.
11. A view device support according to claims 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10, where the support string can be replaced with an external attachment clamp or clamps, which can clamp to user's body, arm, shirt, or bag.

12. A view device support according in claims 1 to 11, where both the portrait view angle support bracket and landscape view angle support bracket are replaced with one single rotational hinge bracket, the view angle support frames can be pivoted about the hinge, on the same surface of the back of the view device support holder surface, when the view angle support frame is rotated 90 degrees clockwise toward the bottom part of the view device holder, a portrait view oriented is achieved, when a rotation of 90 degrees anticlockwise, a landscape view is achieved.

13. A view device support according in claims 1 to 12, where the landscape view angle support frame or frames can be additionally extended with additional extended frame(s), such that the additional extended frame(s) can be either be integrated with the existing frame(s) or as an attachment to the existing frame(s) to provide additional view distance and better view angle.

14. A view device support according in claims 1 to 13, where the landscape view angle support bracket and portrait view angle support bracket, view angle support frames, view device support brackets, and view device support holder, support string and buckle, can be made with soft material such as cloth, soft plastics, or hard material such as timber, hard plastic, or metals, or any materials suitable, but not restricted to these materials.

15. A view device support according in claims 1 to 14, are designed in the described mentioned manners, however, variation of the designs are not restricted to the described methods, so long as they provide similar functions and applications of a view device support.

Fig 1

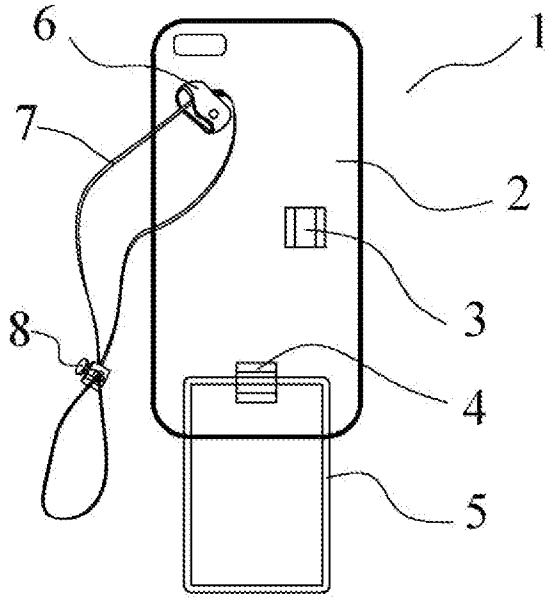


Fig 2

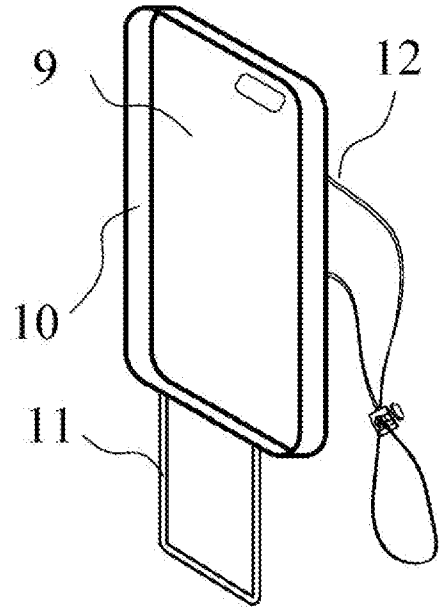


Fig 3

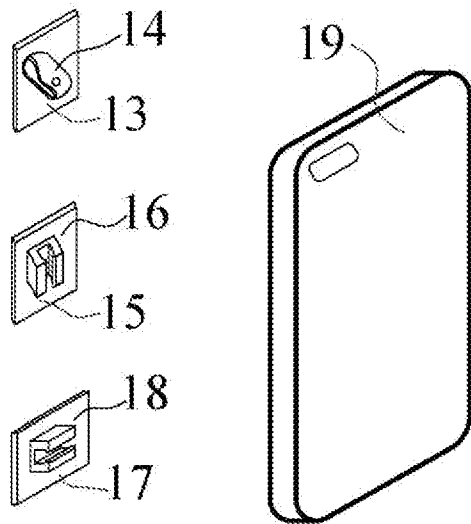


Fig 4

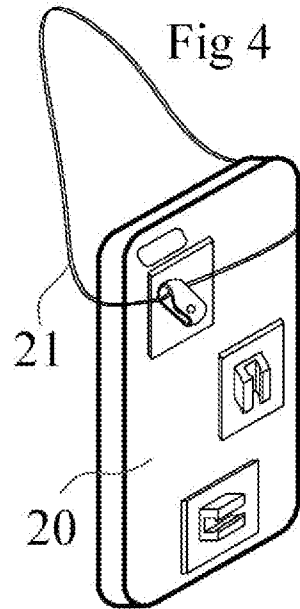


Fig 5

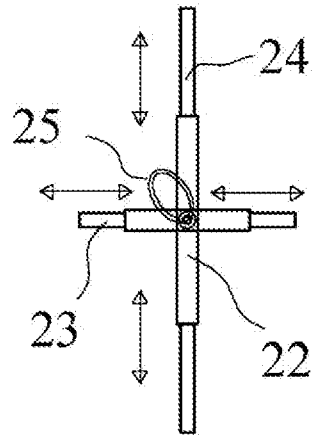


Fig 6

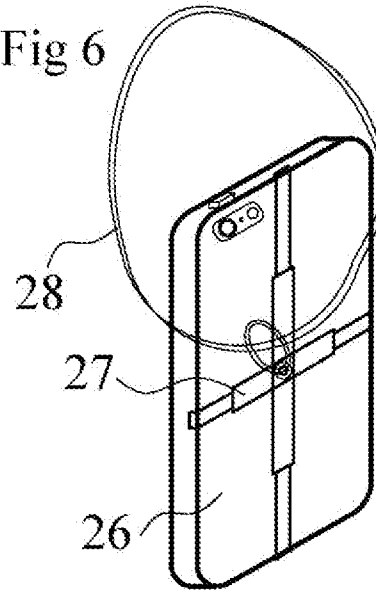


Fig 7

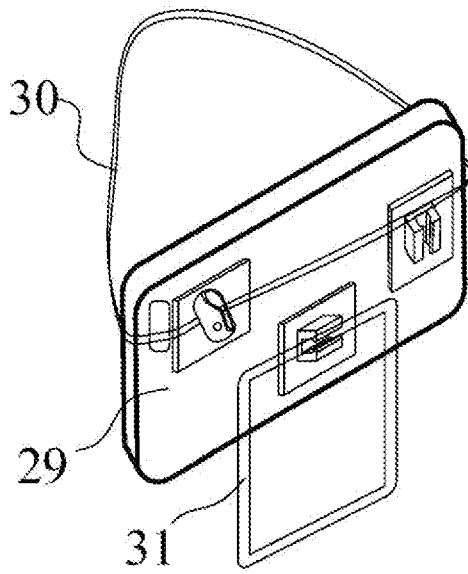


Fig 8

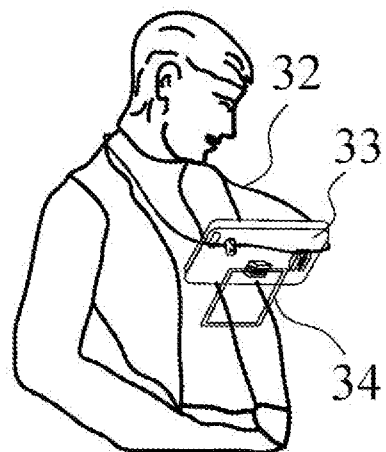


Fig 9

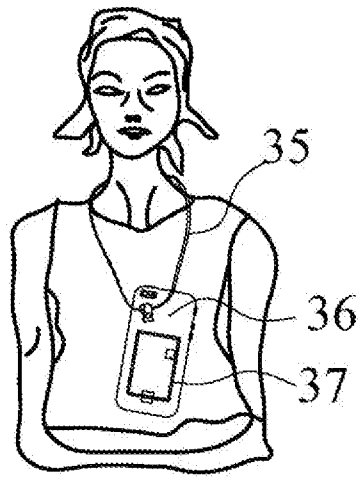


Fig 10

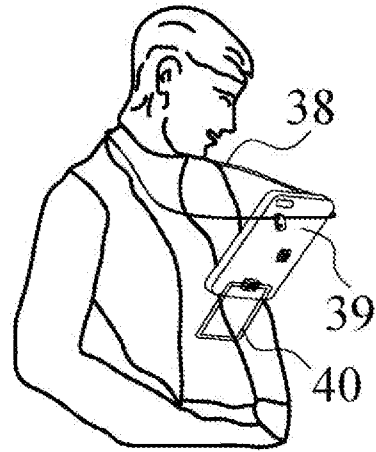


Fig 11

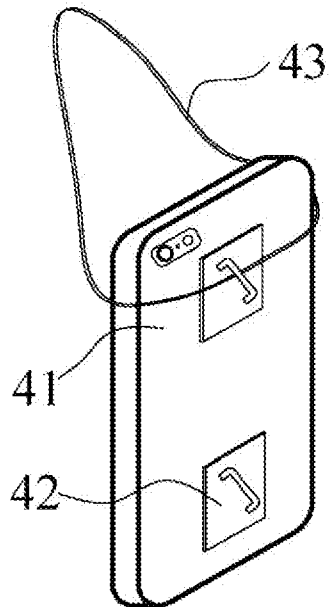


Fig 12

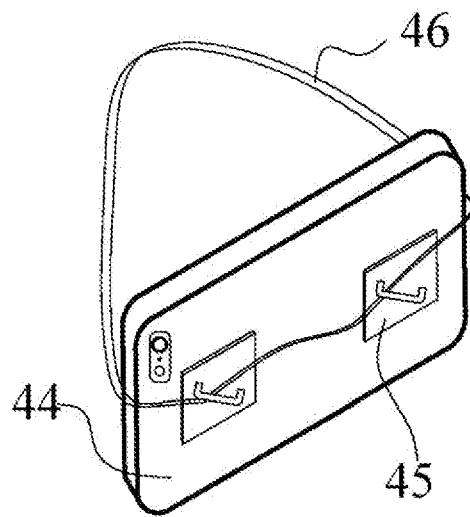


Fig 13

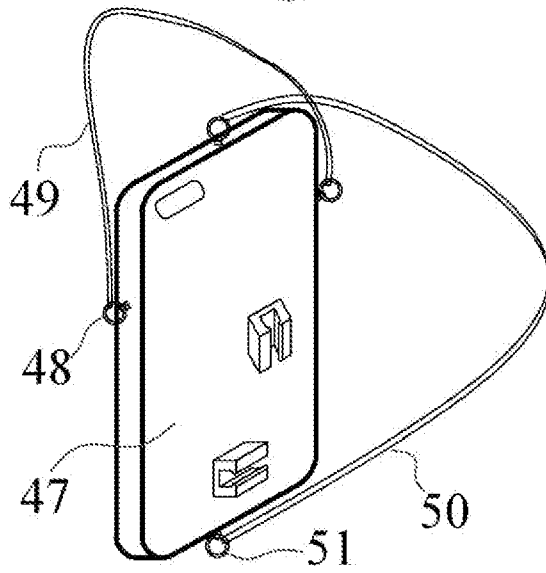


Fig 14

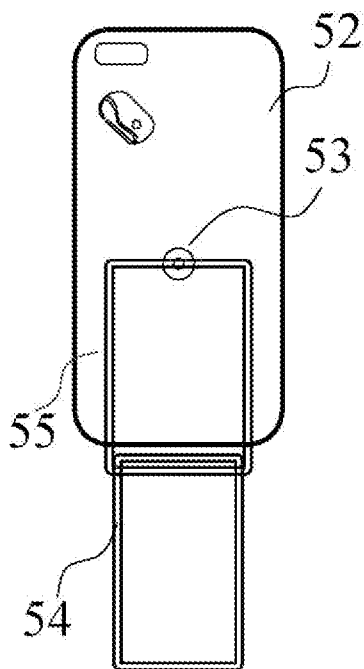


Fig 15

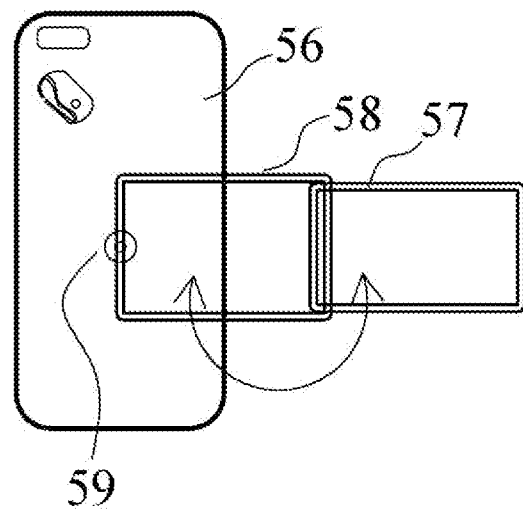


Fig 16

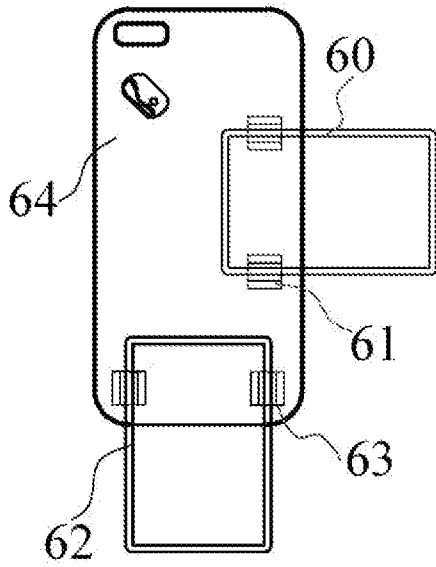


Fig 17

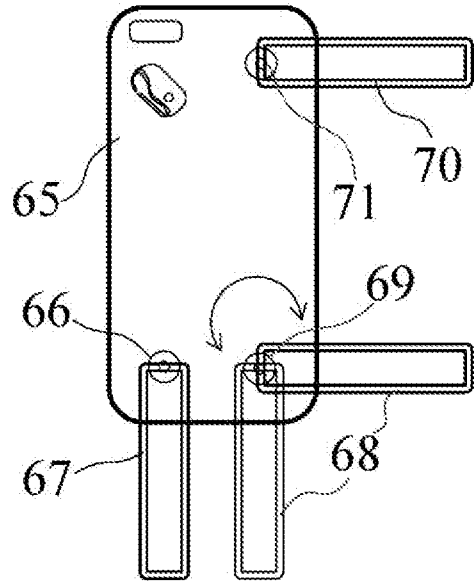


Fig 18

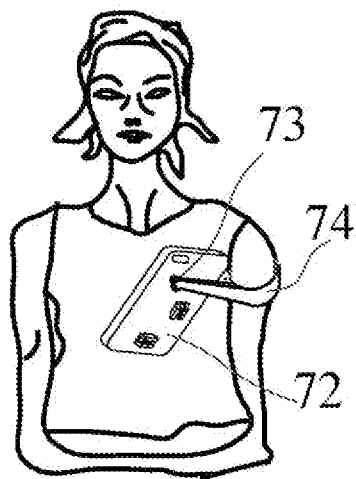
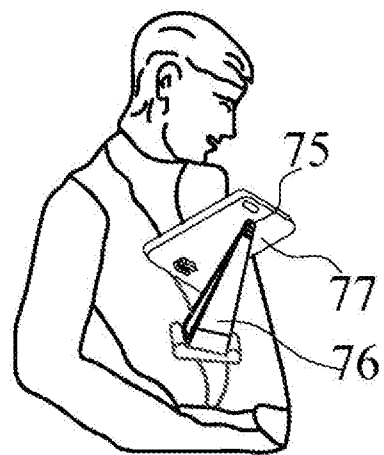


Fig 19



INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2018/050009

A. CLASSIFICATION OF SUBJECT MATTER		
F16M 13/00 (2006.01) A45C 11/00 (2006.01) A45C 13/00 (2006.01) A45F 5/00 (2006.01)		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
AusPat, PAMS (NOSE), INTESS, ESPACENET, USPTO PAIR, EPOQUE (PATENW): holder, support, phone, tablet, bracket, body, support and other search terms		
AusPat, PAMS (NOSE), INTESS, ESPACENET, USPTO PAIR, EPOQUE (PATENW): Applicant/Inventor name search		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	Documents are listed in the continuation of Box C	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* "A"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E"	earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed	
Date of the actual completion of the international search 12 June 2018	Date of mailing of the international search report 12 June 2018	
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA Email address: pct@ipaustralia.gov.au	Authorised officer Andrew Munro AUSTRALIAN PATENT OFFICE (ISO 9001 Quality Certified Service) Telephone No. +61399359620	

INTERNATIONAL SEARCH REPORT		International application No. PCT/AU2018/050009
C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2011/0192857 A1 (ROTHBAUM et al) 11 August 2011 see, for example, the abstract, figures 1A-1B and 50-56, paragraphs [0234]-[0246] and [0276]	1-2, 4, 6-14
Y	US 9195263 B2 (QWEST COMMUNICATIONS INTERNATIONAL INC.) 24 November 2015 see, for example, the abstract, figures 1A-3D, column 4 lines 13-17, column 6 lines 1-16, column 7 lines 38-44	1-14
Y	US 2006/0124676 A1 (MASTROSIMONE) 15 July 2006 see, for example, paragraph [0007], claims 1-3 and figures 1-3	1-14
A	iPhone Adjustable Lanyard [retrieved 6 April 2018] <URL: https://web.archive.org/web/20161220124321/http://www.iphone-lanyard.com/Site/iPhone_Holder.html > published 20 December 2016 as per Wayback Machine see, for example, the entire document	1-14
A	WO 2015/164945 A1 (KIELLAND, PETER J.) 05 November 2015 see, for example, the abstract and figures 1-3	1-14
A	WO 2012/139198 A1 (KIELLAND, PETER J.) 18 October 2012 see, for example, the abstract and figures 8-12	1-14
A	US 2012/0182680 A1 (WETZEL et al) 19 July 2012 see, for example, the abstract and figures 1-6	1-14
A	US 2013/0038995 A1 (FANG) 14 February 2013 see, for example, the abstract and figures 1-5	1-14
A	US 2010/0006614 A1 (MCLEAN et al) 14 January 2010 see, for example, the abstract and figures 1-2	1-14
A	US 5762250 A (CARLTON et al) 09 June 1998 see, for example, the abstract and figure 1	1-14

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
the subject matter listed in Rule 39 on which, under Article 17(2)(a)(i), an international search is not required to be carried out, including
2. Claims Nos.: **15**
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
See Supplemental Box
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

Supplemental Box**Continuation of Box II**

Claim 15 does not comply with Rule 6.2(a) because it relies on references to the description and/or drawings.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2018/050009

This Annex lists known patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document/s Cited in Search Report		Patent Family Member/s	
Publication Number	Publication Date	Publication Number	Publication Date
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		EP 2359374 A2	24 Aug 2011
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		US 2011252606 A1	20 Oct 2011
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent Document/s Cited in Search Report		Patent Family Member/s	
Publication Number	Publication Date	Publication Number	Publication Date
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		WO 2011140098 A1	10 Nov 2011
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		WO 2011140129 A1	10 Nov 2011

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International application No.

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Patent Document/s Cited in Search Report		Patent Family Member/s	
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Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

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