

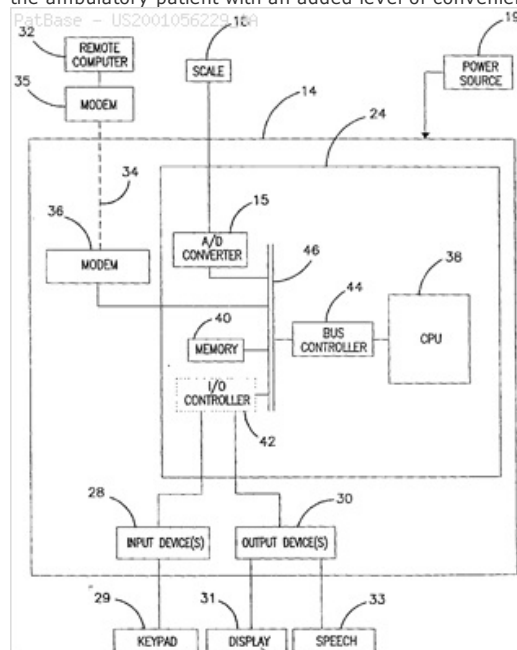
**Search history**

Search 1: STAC=(hinge and support and friction and (portable or computer) and telescopic) (Results 15)

Search 2: STAC=(hinge and support and (display or computer) and telescopic) and IC=(G06F) (Results 37)

**1) Family number: 30052867 (US2001056229A)****Title:** APPARATUS AND METHOD FOR MONITORING AND COMMUNICATING WELLNESS PARAMETERS OF AMBULATORY PATIENTS**Abstract:**

Source: US2001056229A The monitoring device incorporates transducing devices for converting the desired measured parameters into electrical signals capable of being processed by a local computer or microprocessor system. The device interacts with the ambulatory patient and then, via a modem or other electronic communication device, transmits the measured parameters to a computer located at a remote site. At the remote location, the various indicia of the ambulatory patient's condition are monitored and analyzed by the medical professional caregiver. To provide the ambulatory patient with an added level of convenience and ease of use, such monitoring device is contained in a single integrated package.



**International class (ipc 8-9):** A61B5/00 A61B5/02 A61B5/04 A61B5/05 A61B5/053 A61G99/00 A61N1/36 A61N1/372 A61N1/39 G01G19/414 G01G19/44 G01G21/00 G01G23/36 G01G23/37 G06F15/16 G06F17/00 G06F19/00 G06Q10/00 G06Q40/00 G06Q50/00 G06Q50/22 G06Q50/24 G07F19/00 G08B21/02 G08C17/00 H02M7/5383 H02M7/5384 H02M7/5386 H05B37/02 H05B41/282 H05B41/392 (Advanced/Invention); A61B5/00 A61B5/0205 A61B5/021 A61B5/0402 A61B5/11 A61B5/20 A61N1/362 A61N1/365 A61N1/372 G01G19/414 G01G19/44 (Advanced/Non-invention); A61B5/00 A61B5/02 A61B5/04 A61B5/05 A61B5/053 A61N1/372 G01G19/40 G06F15/16 G06F17/00 G06F19/00 G06Q10/00 G06Q50/00 G07F19/00 H05B37/02 H05B41/39 (Core/Invention)

**International class (ipc 1-7):** A61B5/00 A61B5/0205 A61B5/021 A61B5/0402 A61B5/20 A61N1/372 G01G19/414 G06F17/60 G06F19/00 G08C17/00 H02M7/217 H02M7/538 H05B37/02

**CPC:** Y10S128/903 Y10S128/904 Y10S128/92 Y10S315/04 H02M7/53862 H02M7/53846 H05B41/2824 H05B41/3927 G06Q40/08 G06F19/322 A61B5/053 A61B5/02055 A61B5/11 A61B5/20 A61B5/7475 G06Q50/24 G06Q50/22 G06Q40/12 G06F19/3431 G01G23/3728 A61N1/37211 A61N1/37264 A61B5/002 A61B5/0022 A61B5/0031 A61B5/021 A61B5/0537 A61B5/0538 A61B5/4869 A61B2562/0219 A61N1/3627 A61N1/36521 A61N1/37282 G01G19/4146 G01G19/44 G01G23/3735 G01G23/3742 G16H10/20 G16H40/63 G16H50/30 G16H50/20 G16H10/60 G16H40/40 G06F19/3418 A61B5/00 A61B5/02 A61B5/0402 G06F19/3456 G06F19/3475 G06F19/3481

**European class:** A61B5/00 A61B5/00B A61B5/00B8 A61B5/00B9 A61B5/053 A61B5/053J A61B5/053N A61B5/48W A61B5/74M G01G19/414D G01G19/44 G01G23/37W G01G23/37W2 G01G23/37W2T G06F19/00A G06F19/34A G06F19/34C G06F19/34L G06F19/34M G06F19/34N G06F19/36A G06Q40/08 G06Q40/10 G06Q50/22 G06Q50/24 H02M7/5383C2 H02M7/53846 H02M7/53862 H05B41/282M4 H05B41/392D8 K61B5/00B K61B5/00B9 K61B5/02 K61B5/0205B K61B5/021 K61B5/0402 K61B5/11 K61B5/20 K61B562/02C K61N1/362C K61N1/365B2 K61N1/372D8R S06F19/34A1 S06F19/34L S06F19/34M S06F19/34N S06F19/36A

**US class:** 1/1 128/897 128/903 128/903S 128/904 128/904S 128/920 128/920S 177/126 315/224 315/291 315/DIG.4 340/573.1 363/127 363/127P 363/134 363/134P 379/106.2 600/300 600/300P 600/300S 600/301 600/508 600/508S 600/509 600/547 600/547P 607/5 607/5P 607/60 607/9 607/9S 70/5.4 705/2 705/2P 705/2S 705/3 705/30 705/30S 705/3P 705/3S 705/4 705/4S 709/203 709/203P 709/217 709/217S 715/234 715/234S

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| AT447883 E         | 20091115  | AT20060803822T     | 20060919  |
| AT471690 E         | 20100715  | AT20030714000T     | 20030306  |
| AT516741 E         | 20110815  | AT20000918493T     | 20000330  |
| AU200039294 A1     | 20001102  | AU20000039294      | 20000330  |
| AU200039294 A5     | 20001102  | AU20000039294D     | 20000330  |
| AU2002331829 AA    | 20030324  | AU20020331829      | 20020906  |
| AU2003218019 AA    | 20030922  | AU20030218019      | 20030306  |
| CA2370221 AA       | 20011016  | CA20002370221      | 20000330  |
| CA2370221 C        | 20091222  | CA20002370221      | 20000330  |
| CA2459927 AA       | 20040305  | CA20022459927      | 20020906  |
| CA2478545 AA       | 20040902  | CA20032478545      | 20030306  |
| CA2547160 AA       | 20060524  | CA20042547160      | 20041208  |
| CA2615247 AA       | 20080111  | CA20062615247      | 20060712  |
| CA2622957 AA       | 20080317  | CA20062622957      | 20060919  |
| CA2622957 C        | 20140513  | CA20062622957      | 20060919  |
| CA2641291 AA       | 20070816  | CA20072641291      | 20070130  |
| CA2750548 AA       | 20101007  | CA20102750548      | 20100409  |
| CA2760501 AA       | 20030918  | CA20032760501      | 20030306  |
| DE60046235 D1      | 20110908  | DE20006046235      | 20000330  |
| DE602006010427 D1  | 20091224  | DE200660010427T    | 20060919  |
| DE60333080 D1      | 20100805  | DE20036033080      | 20030306  |
| EP1173090 A2       | 20020123  | EP20000918493      | 20000330  |
| EP1173090 B1       | 20110720  | EP20000918493      | 20000330  |
| EP1434518 A1       | 20040707  | EP20020768819      | 20020906  |
| EP1434518 A4       | 20050406  | EP20020768819      | 20020906  |
| EP1480554 A1       | 20041201  | EP20030714000      | 20030306  |
| EP1480554 B1       | 20100623  | EP20030714000      | 20030306  |
| EP1702283 A2       | 20060920  | EP20040813443      | 20041208  |
| EP1904944 A2       | 20080402  | EP20060787360      | 20060712  |
| EP1942791 A1       | 20080716  | EP20060803822      | 20060919  |
| EP1942791 B1       | 20091111  | EP20060803822      | 20060919  |
| EP1983890 A2       | 20081029  | EP20070763115      | 20070130  |
| EP2196931 A2       | 20100616  | EP20100151955      | 20060712  |

|                 |          |               |          |
|-----------------|----------|---------------|----------|
| EP2196931 A3    | 20100908 | EP20100151955 | 20060712 |
| EP2228006 A2    | 20100915 | EP20100166822 | 20030306 |
| EP2228006 A3    | 20101013 | EP20100166822 | 20030306 |
| EP2267623 A2    | 20101229 | EP20100183464 | 20041208 |
| EP2267623 A3    | 20130731 | EP20100183464 | 20041208 |
| EP2284744 A1    | 20110216 | EP20100181162 | 20060712 |
| EP2305101 A2    | 20110406 | EP20100181855 | 20000330 |
| EP2305101 A3    | 20110824 | EP20100181855 | 20000330 |
| EP2305101 B1    | 20170503 | EP20100181855 | 20000330 |
| EP2309406 A2    | 20110413 | EP20100159692 | 20100412 |
| EP2309406 A3    | 20150128 | EP20100159692 | 20100412 |
| EP2359746 A1    | 20110824 | EP20100181851 | 20000330 |
| US2001056229 AA | 20011227 | US20010918247 | 20010730 |
| US2002031002 AA | 20020314 | US20010946856 | 20010904 |
| US2002111539 AA | 20020815 | US20010949197 | 20010907 |
| US2003058670 AA | 20030327 | US20020234653 | 20020903 |
| US2003083556 AA | 20030501 | US20020093948 | 20020307 |
| US2004102685 AA | 20040527 | US20030719408 | 20031121 |
| US2004225533 AA | 20041111 | US20030746325 | 20031223 |
| US2006015017 AA | 20060119 | US20050230811 | 20050919 |
| US2006030890 AA | 20060209 | US20050181682 | 20050713 |
| US2006064030 AA | 20060323 | US20050230810 | 20050919 |
| US2007021979 AA | 20070125 | US20060345956 | 20060202 |
| US2009234916 AA | 20090917 | US20090369819 | 20090212 |
| US2010249536 AA | 20100930 | US20100813007 | 20100610 |
| US2011125532 AA | 20110526 | US20100879721 | 20100910 |
| US2013043997 AA | 20130221 | US20120531229 | 20120622 |
| US2013297344 AA | 20131107 | US20130860105 | 20130410 |
| US6290646 BA    | 20010918 | US19990293619 | 19990416 |
| US6307765 BA    | 20011023 | US20000599625 | 20000622 |
| US6469922 BB    | 20021022 | US20010946856 | 20010904 |
| US6654268 BB    | 20031125 | US20020234653 | 20020903 |
| US6723045 BB    | 20040420 | US20010918247 | 20010730 |
| US6755783 BB    | 20040629 | US20010949197 | 20010907 |
| US6946806 BA    | 20050920 | US20030719498 | 20031120 |
| US7577475 BB    | 20090818 | US20050230810 | 20050919 |
| US7736318 BB    | 20100615 | US20050230811 | 20050919 |
| US7945451 BB    | 20110517 | US20020093948 | 20020307 |
| US8419650 BB    | 20130416 | US20090369819 | 20090212 |
| US8438038 BB    | 20130507 | US20030746325 | 20031223 |
| US8795169 BB    | 20140805 | US20030719408 | 20031121 |
| US9454644 BB    | 20160927 | US20130860105 | 20130410 |
| WO0062662 A2    | 20001026 | WO2000US08352 | 20000330 |
| WO0062662 A3    | 20010125 | WO2000US08352 | 20000330 |
| WO03022144 A1   | 20030320 | WO2002US28465 | 20020906 |
| WO03075756 A1   | 20030918 | WO2003US07099 | 20030306 |
| WO05066870 A2   | 20050721 | WO2004US41122 | 20041208 |
| WO05066870 A3   | 20051020 | WO2004US41122 | 20041208 |
| WO07009079 A2   | 20070118 | WO2006US27440 | 20060712 |
| WO07009079 A3   | 20070705 | WO2006US27440 | 20060712 |
| WO07035696 A1   | 20070329 | WO2006US36407 | 20060919 |
| WO07035696 C2   | 20070518 | WO2006US36407 | 20060919 |
| WO07092212 A2   | 20070816 | WO2007US02556 | 20070130 |
| WO07092212 A3   | 20080717 | WO2007US02556 | 20070130 |
| WO10115214 A1   | 20101007 | WO2010US30497 | 20100409 |

**Priority:** CA20032478545 20030306; CA20032760501 20030306; EP20000918493 20000330; EP20030714000 20030306; EP20040813443 20041208; EP20060787360 20060712; EP20100151955 20060712; US20010918247 20010730; US20030719408 20031121; US20020234653 20020903; US20010946856 20010904; US20000599625 20000622; US19990293619 19990416; US20020093948 20020307; US20010949197 20010907; US20060345956 20060202; WO2007US02556 20070130; US20090369819 20090212; US20050230811 20050919; US20030719498 20031120; US20100813007 20100610; WO2004US41122 20041208; US20050181682 20050713; WO2003US07099 20030306; WO2006US27440 20060712; US20100879721 20100409; WO2010US30497 20100409; US20050230810 20050919; WO2006US36407 20060919; WO2002US28465 20020906; WO2000US08352 20000330; US20120531229 20120622; US20030746325 20031223; US20130860105 20130410;

**Cited documents:** WO9925110, WO9922236, WO9904043, WO9858338, WO9850873 A1, WO9840835, WO9838909, WO9818211, WO9729847, WO9613707, WO9424929, WO12021240 A2, WO07044877 A2, WO05040793 A1, WO04113911 A1, WO04106885 A2, WO03075756 A1, WO03005891 A1, WO0189363 A2, WO0174229 A2, WO0169513 A2, WO0139089 A1, WO0122343 A2, WO0121065 A1, WO0100086 A1, WO0062662 A2, WO0041613, WO0033072, USR32361 E, US8532775 BB, US8525643 BB, US8438038 BB, US8419650 BB, US8140663 BB, US8034294 BA, US8015025 BB, US7972266 BB, US7945451 BB, US7941327 BB, US78890004, US7827040 BB, US7736318 BB, US7733224 BB, US7647234 BA, US7624028 BA, US7577475 BB, US7478434 BA, US7433853 BB, US7401413 BA, US7319962 BB, US7299081 BB, US7252636 BB, US7223236 BB, US7215991 BB, US7127290 BB, US7056289 BB, US7004928 BB, US6968375 BA, US6891936 BB, US6849237 BB, US6849045 BB, US6814844 BB, US6780645 BB, US6770487 BB, US6757898 BA, US6755783 BB, US6723045 BB, US6641533 BB, US6612985 BB, US6570347 BB, US6570344 BB, US6559606 BA, US6558321 BA, US6541266 BB, US6531831 BB, US6515881 BB, US6493568 BA, US6477424 BA, US6473638 BB, US6469922 BB, US6459216 BA, US6454705 BA, US6452344 BA, US6416471 BA, US6413213 BA, US6402691 BA, US6398727 BA, US6396722 BB, US6368273 BA, US6354996 BA, US6351080 BA, US6336900 BA, US6328699 BA, US6316881 BA, US6307765 BA, US6295506 BA, US6290646 BA, US6290546 BA, US6290464 BA, US6283923 BA, US6277071 BA, US6270456 BA, US6269339 BA, US6259615 BA, US6259215 BA, US6248065 BA, US6246992 BA, US6240393 BA, US6234964 BA, US6229271 BA, US6217744 BA, US6198234 BA, US6194841 BA, US6177940 BA, US6177940 B1, US6171237 BA, US6171237 B1, US6168957 B1, US6168563 BA, US6168563 B1, US6167362 A, US6151581 A, US6148233 A, US6144837 A, US6133540 A, US6126596 A, US6120440 A, US6117073 A, US6114814 A, US6113540 A, US6112224 A, US6104146 A, US6101478 A, US6088429 A, US6085162 A, US6080106 A, US6071236 A, US6063028 A, US6059724 A, US6045513 A, US6038465 A, US6032119 A, US6024699 A, US6022315 A, US6014626 A, US6011360 A, US6007493 A, US5997476 A, US5989917 A, US5987519 A, US5985889 A, US5985559 A, US5967979 A, US5964700 A, US5960403 A, US5957861 A, US5956683 A, US5951300 A, US5939830 A, US5935060 A, US5933136 A, US5931791 A, US5930121 A, US5925988 A, US5923546 A, US5923129 A, US5918603 A, US5913310 A, US5911687 A, US5910107 A, US5899855 A, US5897493 A, US5892336 A, US5890128 A, US5886477 A, US5880946 A, US5879163 A, US5876353 A, US5874988 A, US5872429 A, US5868669 A, US5859489 A, US5858652 A, US5854617 A, US5846223 A, US5844540 A, US5843139 A, US5842997 A, US5839438 A, US5832448 A, US5828943 A, US5827180 A, US5822715 A, US5796213 A, US5781442 A, US5778882 A, US5778228 A, US5771511 A, US5758652 A, US5745555 A, US5743267 A, US5725559 A, US5724968 A, US5724032 A, US5711297 A, US5705877 A, US5704366 A, US5704364 A, US5704029 A, US5687717 A, US5684826 A, US5673691 A, US5660176 A, US5642731 A, US5635060 A, US5633910 A, US5623656 A, US5622178 A, US5619991 A, US5619402 A, US5615093 A, US5596557 A, US5594638 A, US5590648 A, US5586557 A, US5584868 A, US5583758 A, US5573551 A, US5563031 A, US5560370 A, US5558638 A, US5553623 A, US5553609 A, US5549654 A, US5549117 A, US5548189 A, US5542396 A, US5515170 A, US5486999 A, US5471382 A, US5467773 A, US546773 A, US5465082 A, US5463287 A, US5441047 A, US5437285 A, US5434611 A, US5430641 A, US5420779 A, US5406955 A, US5402794 A, US5390238 A, US53875 A, US5379057 A, US5367667 A, US5341291 A, US5339821 A, US5331549 A, US5307263 A, US5281395 A, US5265605 A, US5265010 A, US5241966 A, US524196 A, US5235254 A, US5212546 A, US5113869 A, US5092330 A, US5054493 A, US5019974 A, US5012411 A, US4998534 A, US4947858 A, US4935346 A, US4916441 A, US4899758 A, US4877580 A, US4844187 A, US4838275 A, US4835372 A, US4803625 A, US4724521 A, US4712562 A, US4592893 A, US4576244 A, US4556866 A, US4535782 A, US4531527 A, US4510383 A, US4476149 A, US4328396 A, US4204141 A, US4144306 A, US39904199, US3925762 A, US3907503 A, US3743040 A, US32361 A, US2014006054 AA, US2013332730 AA, US2013297344 AA, US2013267795 AA, US2013131574 AA, US2013082837 AA, US2013043997 AA, US2012323796 AA, US2012041775 AA, US2012041771 AA, US2011307284 AA, US2011125532 AA, US2011105979 AA, US2011098539 AA, US2010295684 AA, US2010249536 AA, US2010137693 AA, US2010121201 AA, US2010113891 AA, US2010005416 AA, US2009234916 AA, US2009216558 AA, US2009204028 AA, US2009192362 AA, US2009138717 AA, US2009138207 AA, US2009037216 AA, US2008294614 AA, US2008262871 AA, US2008117060 AA, US2007231846 AA, US2007231209 AA, US2007155588 AA, US2007118422 AA, US2007073590 AA, US2007021979 AA, US2007011465 AA, US2006271445 AA, US2006248398 AA, US2006247985 AA, US2006161457 AA, US2006106290 AA, US2006064030 AA, US2006030890 AA, US2006015017 AA, US2005279631 AA, US2005231375 AA, US2005192487 AA, US2005172021 AA, US2005075116 AA, US2005065813 AA, US2005038332 AA, US2005033127 AA, US2005015115 AA, US2004260666 AA, US2004236187 AA, US2004225533 AA, US2004220832 AA, US2004199409 AA, US2004172080 AA, US2004147982 AA, US2004147969 AA, US2004139048 AA, US2004122297 AA, US2004117204 AA, US2004102685 AA, US2004078220 AA, US2004053875 AA, US20040434286 AA, US2004015191 AA, US2003229517 AA, US2003225856 AA, US2003161164 AA, US2003083556 AA, US2003069753 AA, US2003050054 AA, US2003028399 AA, US2003004758 AA, US20030001742 AA, US2002180380 AA, US2002173991 AA, US2002158775 AA, US2002156650 AA, US2002147423 AA, US2002133502 AA, US2002111539 AA, US2002082665 AA, US2002082480 AA, US2002022973 AA, US2002019747 AA, US2002018478 AA, US2002010597 AA, US2001056229 AA, US2001053875 AA, US2001048529 AA, US2001047252 AA, US2001032099 AA,

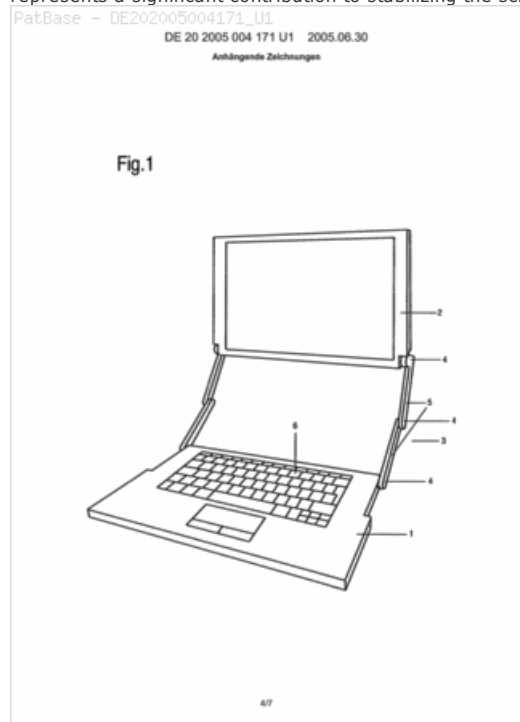
US2001029322 AA, US2001020229 AA, JP9173304 A2, JP1006865 A2, JP1006865, EP1547516 A1, EP1416417 A2, EP1147739 A2, EP0896828 A2, EP0890919 A1, EP0880407 B1, EP0880407, EP0505627 A2, EP0290610 A1, EP0256806 A2, EP0251520 A2, DE4335869 A1, **Assignee(s):** (std): CARDIOCOM ; CARDIOCOM CHANHASSEN ; COSENTINO DANIEL L ; COSENTINO JUDITH A ; LINFINITY MICROELECTRONICS ; MICROSEMI CORP ; COSENTINO LOUIS C ; GOLDEN BRIAN A ; GOLDEN BRIAN ALAN ; DUEA DUANE ROBERT ; DORFE STEVEN GEORGE ; DUEA MICHAEL JOHN ; CARDIOCOM LLC ; CARIOCOM LLC ; YOUNG TODD ; YOUNG TODD F ; NUBSON RICHARD C **Assignee(s):** MORGAN STANLEY SENIOR FUNDING INC ; CARDIOCAM ; MORGAN STANLEY AND CO INC ; CHOI HWANGSOO ; MICROSEMI COMMUNICATIONS INC F K A VITESSE SEMICONDUCTOR CORPORATION A DELAWARE CORP ; MICROSEMI CORP ANALOG MIXED SIGNAL GROUP A DELAWARE CORP ; MICROSEMI CORP MEMORY AND STORAGE SOLUTIONS F K A WHITE ELECTRONIC DESIGNS CORPORATION AN INDIANA CORP ; MICROSEMI FREQUENCY AND TIME A DELAWARE CORP ; MICROSEMI SEMICONDUCTOR US INC A DELAWARE CORP ; MICROSEMI SOC CORP A CALIFORNIA CORP ; DUEA MICHAEL J ; DUEA DUANE R ; DORFE STEVEN G ; MICROSEMI CORP INTEGRATED PRODUCTS ; CARDIOCOM EXCELSIOR **Inventor(s):** (std): COSENTINO DANIEL L ; COSENTINO JUDITH ; COSENTINO JUDITH A ; DANIEL L COSENTINO ; DORFE STEVEN ; DORFE STEVEN G ; COSENTINO LOUIS C ; DORFE STEVEN GEORGE ; DUEA DUANE ROBERT ; DUEA MICHAEL ; DUEA MICHAEL J ; DUEA DUANE ; DUEA DUANE R ; DUEA MICHAEL JOHN ; NUBSON RICHARD ; NUBSON RICHARD C ; YOUNG TODD F ; GOLDEN BRIAN ALAN ; ABRAHAMSON CHRISTOPHER T ; YOUNG TODD ; GOLDEN BRIAN A ; COSENTINO LOUIS ; COSENTINO DANIEL ; CHOI HWANGSOO ; LOUIS C COSENTINO **Inventor(s):** MICHAEL J DUEA ; NUBSON RICHARD C EDEN PRAIRIE ; RICHARD C NUBSON ; STEVEN G DORFE ; GOLDEN BRIAN ; JUDITH A COSENTINO ; DUEA DUANE R APPLE VALLEY ; DUEA MICHAEL J SAVAGE ; DUANE R DUEA ; COSENTINO LOUIS C EXCELSIOR ; DORFE STEVEN G MAPLE GROVE ; COSENTINO JUDITH A EXCELSIOR **Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

**2) Family number: 32023381 (DE202005004171U1)**

**Title:** STRUCTURAL CONNECTION BETWEEN BODY AND SCREEN OF PORTABLE COMPUTER ENABLES VISUAL DISPLAY SCREEN TO BE POSITIONED AT LARGER DISTANCE FROM KEYBOARD OF COMPUTER THAN BY CONVENTIONAL HINGE MECHANISMS FOR PORTABLE COMPUTERS  
KONSTRUKTIVE VERBINDUNG ZUR VERAENDERUNG DES ABSTANDS ZWISCHEN KORPUS UND BILDSCHIRM VON PORTABLEN COMPUTERN

**Abstract:**

Source: DE202005004171U1 The connection arrangement (3) is configured to enable the visual **display** screen (2) to be positioned at a larger distance from the keyboard (6) of the **computer** than by conventional **hinge** mechanisms for portable **computers**, whereby the body (1) represents a significant contribution to stabilizing the screen holder. The screen, body and connection form a structural unit.



**International class (IPC 8-9):** G06F1/16 (Advanced/Invention);  
G06F1/16 (Core/Invention)

**International class (IPC 1-7):** G06F1/16

**CPC:** G06F1/1616

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| DE202005004171 U1  | 20050525  | DE200520004171U    | 20050315  |

**Priority:** DE200520004171U 20050315;

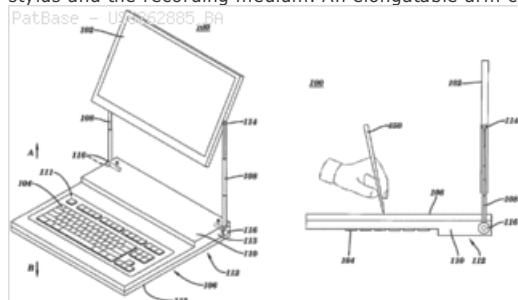
**Assignee(s):** (std): SCHLEE MARKUS

**3) Family number: 15433758 (US6262885B)**

**Title:** Portable computing device having a display movable thereabout

**Abstract:**

Source: US6262885B A portable computing device includes a processing unit coupled with a keyboard, a recording medium, and a **display**. The keyboard and the recording medium form portions of a **support** structure of the device and are generally directed in different directions. The recording medium is configured to receive input from a stylus operated by a user. The **display** is movable (e.g., pivotable and/or translatable) about the **support** structure to selectively suit use of the **display** in conjunction with the keyboard or use of the **display** in conjunction with the stylus and the recording medium. An elongatable arm can serve to connect the **display** with the **support** structure.



**International class (IPC 8-9):** G06F1/16 (Advanced/Invention)

**International class (IPC 1-7):** G06F1/16

**CPC:** G06F1/1618 G06F1/162 G06F1/169

**US class:** 361/679 361/679.05 361/681 361/683 361/686

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| US6262885 BA       | 20010717  | US19980195735      | 19981119  |

**Priority:** US19980195735 19981119;

**Cited documents:** WO9823382 A1, US5708560 A, US5682182 A, US5668570 A, US5494447 A, US5481430 A, US5410447 A, US5375076 A, US5268817 A, US5264992 A, US5255214 A, US5241303 A, US5229920 A, US5224060 A, US5103376 A, US4926010 A,

**Assignee(s):** (std): IBM

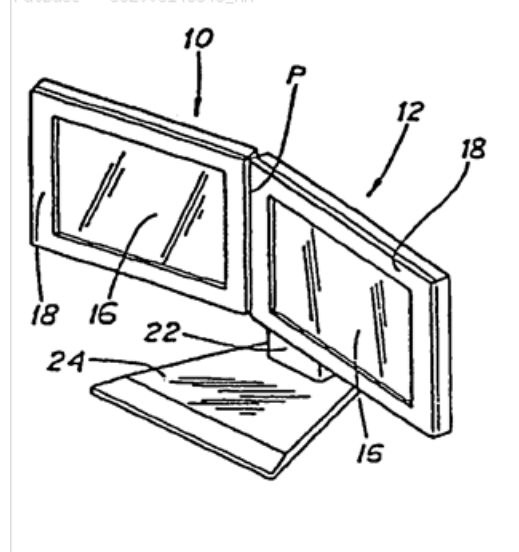
**Assignee(s):** IBM CORP ; INTERNATIONAL BUSINESS MACHINES CORP ; LENOVO (SINGAPORE) PTE LTD ; LENOVO PTE LTD ; LENOVO SINGAPORE PTE LTD

**Inventor(s):** (std): EMMA PHILIP GEORGE ; MONTTOYE ROBERT KEVIN

**4) Family number: 15453969 (US2005146845A)****Title:** COMPUTER DISPLAY SCREEN SYSTEM AND ADJUSTABLE SCREEN MOUNT, AND SWINGING SCREENS THEREFOR**Abstract:**

Source: US2005146845A An electronic **display** system is disclosed. The system includes a first **display** panel having a first viewing face and the second **display** panel have a second viewing face. The first and second **display** panels are coupled by a **hinged** mechanism which allows the angle between the first and second viewing faces to be greater than 180 degrees.

PatBase - US2005146845\_HR



**International class (IPC 8-9):** B60R11/00 B60R11/02 F16M11/00 F16M11/04 F16M11/12 G02F1/1333 G06F1/16 G06F3/14 G09F9/00 G09F9/35 G09F9/40 H04N5/64 H05K5/00 H05K5/02 H05K7/16 (Advanced/Invention); B60R11/00 G09F9/00 G09F9/35 G09F9/40 H04N5/64 (Advanced/Non-invention)

**International class (IPC 1-7):** G02F1/1333 G06F1/16 G09F9/00 G09F9/35 G09F9/40 H04N5/64 H05K5/00

**CPC:** G06F1/1616 B60R11/02 B60R11/0235 B60R2011/0015 F16M11/041 F16M11/08 F16M11/10 F16M11/14 F16M11/242 F16M2200/022 G06F1/1601 G06F1/1622 G06F1/1624 G06F1/1647 G06F1/1649 G06F1/1654 G06F2200/1612

**European class:** B60R11/02E2 F16M11/04 F16M11/04A F16M11/08 F16M11/10 F16M11/12 F16M11/14 F16M11/24A G06F1/16D G06F1/16P1F G06F1/16P1R G06F1/16P1S G06F1/16P9D5 G06F1/16P9D5A G06F1/16P9D8 L60R11/00P1F4 R16M200/02A1 S06F200/1612

**US class:** 248/919 312/223.2 345/905 348/794 361/679.04 361/679.040P 361/679.06 361/679.060S 361/679.09 361/679.090P 361/679.090S 361/679.21 361/679.210S 361/679.22 361/679.26 361/679.260S 361/679.27 361/679.270P 361/679.270S 361/679.59 361/679.590S 361/680 361/681 361/682 361/683 364/708.1

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| AU200112928 A1     | 20010530  | AU20010012928      | 20001117  |
| AU200112928 A5     | 20010530  | AU20010012928D     | 20001117  |
| CA2392105 AA       | 20020517  | CA20002392105      | 20001117  |
| CA2392105 C        | 20080205  | CA20002392105      | 20001117  |
| CN100547519 C      | 20091007  | CN200710091045     | 20001117  |
| CN101071317 A      | 20071114  | CN200710091045     | 20001117  |
| CN1317615 C        | 20070523  | CN20008017340      | 20001117  |
| CN1411573 A        | 20030416  | CN20008017340      | 20001117  |
| EP1232427 A2       | 20020821  | EP20000974714      | 20001117  |
| JP2003515193 T2    | 20030422  | JP20010539097T     | 20001117  |
| US2005146845 AA    | 20050707  | US20050055494      | 20050211  |
| US2006126284 AA    | 20060615  | US20060340723      | 20060127  |
| US2008316689 AA    | 20081225  | US20080206423      | 20080908  |
| US2012127646 AA    | 20120524  | US20110306676      | 20111129  |
| US6343006 BA       | 20020129  | US19990444188      | 19991119  |
| US7428141 BB       | 20080923  | US20050055494      | 20050211  |
| USRE42091 E        | 20110201  | US20040766751      | 20040129  |
| WO0137070 A2       | 20010525  | WO20001B01705      | 20001117  |
| WO0137070 A3       | 20011108  | WO20001B01705      | 20001117  |

**Priority:** US19980109668P 19981120; US19990444188 19991119; US20000130416 20001117; US20040766751 20040129; US20050055494 20050211; US20020130416 20020517; US20080206423 20080908; US20060340723 20060127; WO20001B01705 20001117; US20110306676 20111129;

**Cited documents:** WO9950813 A1, WO9939328 A1, WO9918491 A1, WO0137070, WO0135197, WO0135196, WO0039493, WO0035196, USRE36978 E, USD469746 S1, USD469745 S1, USD449302 S1, USD448370 S1, USD448023 S1, USD440543 S1, USD425036 S1, USD420989 S1, USD412162 S1, USD395298 S1, USD395041 S1, USD371449 S1, USD340235 S1, USD340049 S1, USD303699 S1, USD294354 S1, USD278820 S1, USD244571 S1, USD229348 S1, US723114 A, US7136282 BA, US6963487 BB, US6758454 BB, US6739096 BB, US6702604 BA, US6667878 BB, US6667877 BB, US6625038 BB, US6587082 BA, US6554238 BA, US6532146 BA, US6449143 BB, US6400560 BA, US6392871 BA, US6366453 BA, US6364697 BA, US6343006 BA, US6343003 BA, US6302612 BA, US6295038 BA, US6290534 BA, US6262785 BA, US6256374 BA, US6246577 BA, US6231371 BA, US6222507 BA, US6151401 A, US6134103 A, US6094341 A, US6064373 A, US6061104 A, US6042414 A, US6020890 A, US6019332 A, US6015120 A, US5991150 A, US5949643 A, US5918841 A, US5914698 A, US5904328 A, US5900848 A, US5873554 A, US5867210 A, US5859762 A, US5859628 A, US5854735 A, US5850358 A, US5847698 A, US5820623 A, US5815735 A, US5812368 A, US5808862 A, US5796577 A, US5777704 A, US5768163 A, US5732922 A, US5729430 A, US5729429 A, US5703922 A, US5687939 A, US5675687 A, US5673170 A, US5600580 A, US5594620 A, US5590021 A, US5583529 A, US5548478 A, US5547248 A, US5537290 A, US5537127 A, US5534888 A, US5505424 A, US5494447 A, US5489924 A, US5481430 A, US5467102 A, US5383138 A, US5355279 A, US5337676 A, US5337212 A, US5316369 A, US5278779 A, US5276589 A, US5268817 A, US5262759 A, US5233502 A, US5224861 A, US5224060 A, US5222780 A, US5210656 A, US5196991 A, US5195709 A, US5193069 A, US5179447 A, US5177616 A, US5168429 A, US5144290 A, US5134390 A, US5128662 A, US5122941 A, US5103376 A, US5076524 A, US5012345 A, US5009384 A, US4979579 A, US4960256 A, US4920458 A, US4865420 A, US4836478 A, US4833542 A, US4831368 A, US4814759 A, US4805036 A, US4800376 A, US4797942 A, US4772942 A, US4770303 A, US4761641 A, US4749364 A, US4734779 A, US4726552 A, US4712799 A, US4662797 A, US4646875 A, US4635105 A, US4589713 A, US4589659 A, US4547027 A, US4453687 A, US4438458 A, US4345147 A, US4267555 A, US4159417 A, US4112423 A, US3909525 A, US3734301 A, US3697681 A, US3514871 A, US3348116 A, US3262517 A, US2890010 A, US2794554 A, US2006126284 AA, US2005146845 AA, US2005085123 AA, US2004160736 AA, US2004136150 AA, US2004125549 AA, US2003218860 AA, US2003161094 AA, US2003142469 AA, US2003095373 AA, US2002141146 AA, US2002071246 AA, JP8271979, JP7160364, JP7160363 A2, JP6324759, JP63233417, JP62197815, JP6161703, JP6161600, JP3291722 A2, JP11271730 A2, JP10171382, JP10055165 A2, GB2333391, GB2297010, GB2269516, GB2200783, FR2554269, EP0807879 A2, EP0424074 A2, EP0424070, DE4027556 A1, DE29901751 U1, DE29901751, DE19800376 A1, DE19541759 A1,

**Assignee(s):** (std): ELCHUK MARK ; JERRY MOSCOVITCH ; MASS ENGINEERED DESIGN ; MOSCOVITCH JERRY

**Assignee(s):** ELCHUK MARK D

**Inventor(s):** (std): ELCHUK MARK ; ELCHUK MARK D ; JERRY MOSCOVITCH ; MOSCOVITCH JERRY ; MOSCOVITCH JERRY ELCHUK MARK D

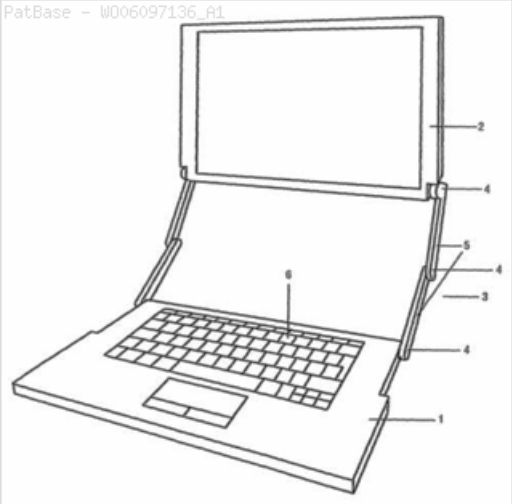
**Designated states:** AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CR CU CY CZ DE DK DM DZ EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

5) Family number: 33366286 (WO06097136A1)

Title: CONSTRUCTIVE CONNECTION TO ALTER THE DISTANCE BETWEEN BODY AND SCREEN OF PORTABLE COMPUTERS CONNEXION CONSTRUCTIVE PERMETTANT DE MODIFIER LA DISTANCE ENTRE LE CORPS ET L'ECRAN D'ORDINATEURS PORTATIFS

Abstract:

Source: WO06097136A1 The constructive connection between screen (2) and keyboard (6) / body (1) of usual portable computers (laptops) with f. e. only one hinge causes a unnaturally bowed sit position, because the screen is located very closed to the keyboard (6) and the user wants to bring his eyes on the height of the screen (2). In the new construction the screen (2) will be brought on the height of the eyes by a flexible constructive connection (3) between screen (2) and body (1) without undoing the constructive union of the whole computer unit and without reducing significantly the stability or handling of the laptop. The technical construction of the connection (3) between screen (2) and body (1) is realized via joint or sliding mechanisms or the combination of both, additionally other elements of the constructive connection (3) between screen (2) and body (1) can be realized flexible. La connexion constructive entre les ecran (2) et clavier (6)/corps (1) d'ordinateurs portatifs (portables) comprenant, par exemple, une articulation engendre une position assise voutee de maniere non naturelle, du fait que l'ecran est situe tres pres du clavier (6) et que l'utilisateur souhaite amener ses yeux sur la partie superieur de l'ecran (2). L'invention concerne une construction dans laquelle l'ecran (2) est amene sur la partie superieure des yeux, au moyen d'une connexion constructive souple (3) entre l'ecran (2) et le corps (1), sans detruire l'union constructive de l'ensemble de l' unite de l'ordinateur et sans reduire considerablement la stabilite ou la maniabilite du portable. La construction technique de la connexion (3) entre l'ecran (2) et le corps (1) peut etre obtenue par mise en oeuvre de mecanismes a joint ou coulissants ou de la combinaison de ceux-ci. De plus, d'autres elements de la connexion constructive (3) entre l'ecran (2) et le corps (1) peuvent etre fabriques de maniere souple.



International class (IPC 8-9): G06F1/16 (Advanced/Invention);

G06F1/16 (Core/Invention)

CPC: G06F1/1616

Family:

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| WO06097136 A1      | 20060921  | WO2005EP07916      | 20050720  |

Priority: DE200510011919 20050315;

Cited documents: WO9845769 A1, US6665175 BA, US6532147 BA, US6464195 BA, US6430038 BA, US6353529 BA, US2004057197 AA, US2003021086 AA, FR2837588 A1, DE20104209 U1,

Assignee(s): (std): SCHLEE MARKUS

Inventor(s): (std): SCHLEE MARKUS

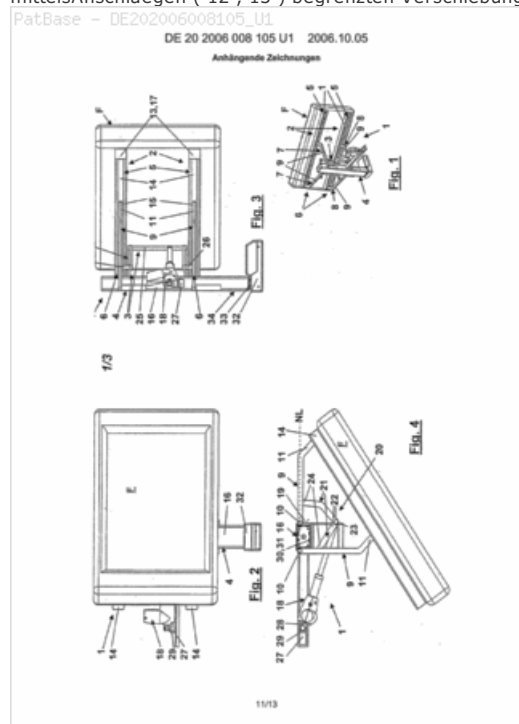
Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KP KR KZ LC LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

**6) Family number: 33449436 (DE202006008105U1)**

**Title:** VIDEO TERMINAL E.G. FLAT SCREEN, MOUNT, HAS STOPPERS WHICH GUIDE FREE ENDS OF SWIVELING LEVERS RELATIVE TO ONE ANOTHER IN SLIDING GUIDE OVER LIMITING DISPLACEMENT PATH IN SLIDING GUIDE HALTERUNG FUER BILDSCHIRMGERAETE

**Abstract:**

Source: DE202006008105U1 The holder has an adjusting mechanism with a sliding guide connected with a carrier device. A lever arrangement has swiveling levers, which are swivelably arranged at a **support** device over a swiveling joint. The free ends (11) of the levers are remote from the joints and are displaceably arranged in the sliding guide. Stoppers (13) guide the ends relative to one another in the guide over a limiting displacement path in the guide. (Claim1) Halterung ( 1 ) fuer Bildschirmgeraete oder **Computer**, insbesondere fuer Flachbildschirme, mit einer Tragvorrichtung ( 2 ) zur Aufnahme des Flachbildschirm, einer Stuetzvorrichtung ( 9 ) zur Abstuetzung der Halterung ( 1 ) anoder auf einer Basis und einer Verstellvorrichtung ( 3 ), mittels derer die Tragvorrichtung ( 2 ) ueber einen Verstellweg relativ zu der Stuetzvorrichtung ( 4 ) bewegbar ist, **dadurch gekennzeichnet**, dass die Verstellvorrichtung ( 3 ) eine mit der Tragvorrichtung ( 2 ) verbundene Schiebefuehrung ( 5 ) und eine Hebelanordnung ( 6 ) mit einem ersten Schwenkebel ( 7 ) mit zwei Schwenkhebeln ( 9 ) aufweist, und dass die Schwenkhebel ( 9 ) ueber Schwenkgelenke ( 10 ) an der Stuetzvorrichtung ( 4 ) verschwenkbar angeordnet sind, mit einem von dem Schwenkgelenk ( 10 ) entfernten freien Enden ( 11 ) in der Schiebefuehrung ( 5 ) verschieblich angeordnet sind und in der Schiebefuehrung ( 5 ) relativ zueinander ueber einen mittels Anschlaegen ( 12 , 13 ) begrenzten Verschiebungsweg ( v ) fuehrbar sind.



**International class (IPC 8-9):** F16M11/00 G06F1/16 (Advanced/Invention); F16M11/00 G06F1/16 (Core/Invention)

**CPC:** F16M11/045 F16M11/2014 F16M13/02

**European class:** F16M11/00 F16M11/04T1 F16M11/20A1 F16M13/02

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| DE202006008105 U1  | 20060831  | DE200620008105U    | 20060518  |

**Priority:** DE200620008105U 20060518;

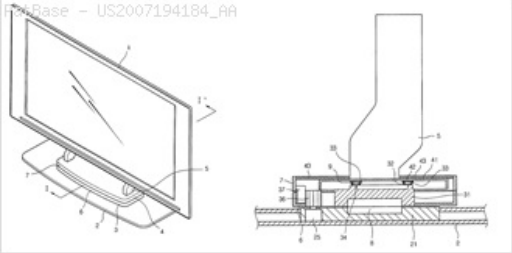
**Assignee(s):** (std): OKIN GES F ANTRIEBSTECHNIK ; OKIN GES FUER ANTRIEBSTECHNIK

**Assignee(s):** OKIN GESELLSCHAFT FUER ANTRIEBSTECHNIK MBH ; OKIN GES F ANTRIEBSTECHNIK MBH

7) Family number: 35422727 (US2007194184A)  
Title: STAND FOR DISPLAY DEVICE

Abstract:

Source: US2007194184A A stand for a display device is provided. The stand prevents a viewer located at a side of the display from experiencing the problems of a narrow viewing angle by allowing the display device to be pivoted in a wide angle without interference from a wall behind the device. The stand includes a base, a swivel hinge, a fixed unit, a telescopic unit, and a movable unit. The swivel hinge is fixed to the base. The fixed unit is rotatably fixed to the swivel hinge. The telescopic unit includes one member fixed to the fixed unit. The movable unit, to which the other member of the telescopic unit is fixed, is capable of being translated in left and right directions of the base and being rotated.



International class (IPC 8-9): A47F5/00 A47F5/02 F16M11/00 F16M11/12 G06F1/16 G09F9/00 G12B9/08 H04N5/64 H04N5/655  
H05K7/16 (Advanced/Invention);  
A47F5/02 G06F1/16 H04N5/655 (Core/Invention)  
CPC: F16M11/08 F16M11/18 F16M11/22 F16M2200/08 G06F1/1601  
European class: F16M11/08 F16M11/18 F16M11/22 R16M200/08  
US class: 248/125.7 248/131 248/131P 248/274.1 248/292.12  
Family:

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN101026014 A      | 20070829  | CN200610090270     | 20060711  |
| CN101026014 B      | 20121010  | CN200610090270     | 20060711  |
| EP1821173 A1       | 20070822  | EP20060254120      | 20060804  |
| EP1821173 B1       | 20091125  | EP20060254120      | 20060804  |
| KR20070082797 A    | 20070822  | KR20060015880      | 20060217  |
| US2007194184 AA    | 20070823  | US20060488115      | 20060718  |
| US7699275 BB       | 20100420  | US20060488115      | 20060718  |

Priority: KR20060015880 20060217;

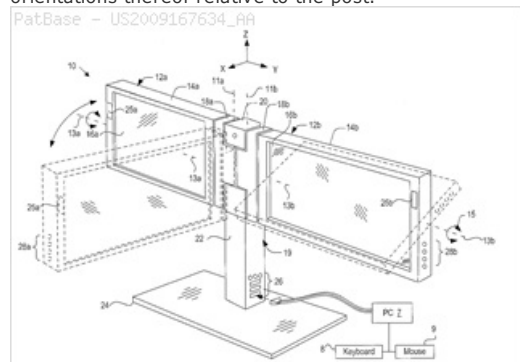
Cited documents: WO9955196 A2, US6856506 BB, US6231021 BA, US6189842 BA, US6149253 A, US2008100997 AA, US2007007401 AA, JP2004015357 A2, GB2419454 A1, GB2384610 A1,  
Assignee(s): (std): LG ELECTRONICS INC  
Inventor(s): (std): JANG WOON G ; JANG WOON GEUN  
Inventor(s): JANG WOON  
Designated states: AL BA GB HR MK YU

**8) Family number: 43475225 (US2009167634A)**

**Title:** SYSTEMS HAVING DETACHABLE TWIN DISPLAY MONITORS

**Abstract:**

Source: US2009167634A Systems for **displaying** a plurality of images. A system includes: a hollow post having a recessed portion; and a pair of pivot arms that include mounting protrusions pivotally mounted in the recessed portion. Each pivot arm is adapted to pivot about a first axis parallel to a longitudinal axis of the hollow post. The system also includes a pair of mounting assemblies respectively affixed to the pivot arms and a pair of monitors respectively secured to the mounting assemblies. Each mounting assembly is adapted to allow one of the monitors to rotate relative to one of the pivot arms about a second axis substantially perpendicular to the first axis and includes a first signal connector. Each monitor frame includes two second signal connectors configured to respectively engage the first signal connector at portrait and landscape orientations thereof relative to the post.



**International class (IPC 8-9):** G06F1/16 G09G5/00 (Advanced/Invention);  
G06F1/16 G09G5/00 (Core/Invention)

**CPC:** G06F1/1601

**European class:** G06F1/16D

**US class:** 345/1.1 345/1.3

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| US2009167634 AA    | 20090702  | US20070966449      | 20071228  |

**Priority:** US20070966449 20071228;

**Cited documents:** US7403376 BB, US7369401 BA, US2006249649 AA, US2005258319 AA, US2004035987 AA, US2003231460 AA,

**Assignee(s):** (std): EVGA CORP

**Inventor(s):** (std): HAN TAI SHENG ANDREW

**Inventor(s):** HAN TAI SHENG (ANDREW)

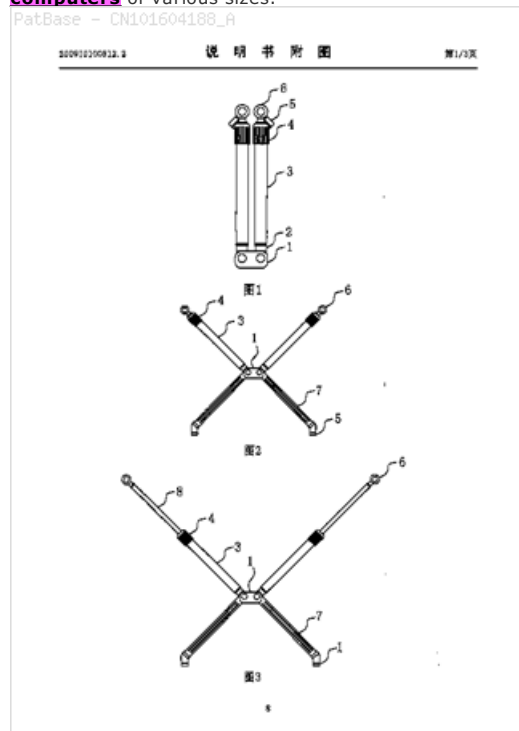
**9) Family number: 44176838 (CN101604188A)**

**Title:** Radiating rack for folding type notebook computer and adjusting method thereof

**Abstract:**

Source: CN101604188A The invention relates to an external auxiliary device for a notebook **computer**, and discloses a radiating rack for a folding type notebook **computer** and an adjusting method thereof. The radiating rack is designed aiming at the technical problems of poor structure and radiating mode of the prior like products. The design key points of the radiating rack are that a **support** is provided with symmetrical limit connecting ports which are connected to a connecting block of an extension tube and a connecting head of a planar **supporting** rod, and the connection mode is **hinge** connection; one end of the extension tube is fixedly connected with the connecting block, and the other end of the extension tube is connected with a **telescopic** rod, one end of the **telescopic** rod is fixedly provided with a slide block which is positioned in the extension tube; the other end of the **telescopic** rod is fixedly connected with a **supporting** leg; two ends of the **supporting** leg are provided with cushion blocks; the **telescopic** rod and the extension tube are glidingly connected, and the external surface of the **telescopic** rod is provided with a travel limit point and a guide rail groove; one end of the planar **supporting** rod is a connecting head, and the other end of the planar **supporting** rod is provided with a baffling leg; and the **supporting** leg and the baffling leg are provided with height difference, and the height difference is the vertical height from the top of the **supporting** leg to the bottom of the baffling leg. The radiating rack for the folding type notebook **computer** has a simple structure, is convenient to adjust, and is suitable for the use as a radiating device for the notebook **computers** of various sizes.

PatBase - CN101604188\_A



**International class (IPC 8-9):** F16M11/38 G06F1/16 G06F1/20 (Advanced/Invention);

F16M11/20 G06F1/16 G06F1/20 (Core/Invention)

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN101604188 A      | 20091216  | CN200910100812     | 20090711  |

**Priority:** CN200910100812 20090711;

**Assignee(s):** (std): SHUHUI CHEN

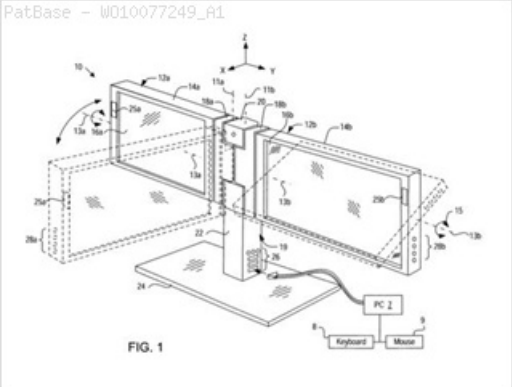
**Assignee(s):** CHEN SHUHUI

**Inventor(s):** (std): SHUHUI CHEN

**Inventor(s):** CHEN SHUHUI

**10) Family number: 45945473 (WO10077249A1)**  
**Title:** SYSTEMS HAVING TWIN DISPLAY MONITORS SYSTEMES A MONITEURS D’AFFICHAGE JUMEAUX

**Abstract:**  
Source: WO10077249A1 Systems for **displaying** a plurality of images. A system includes: a hollow post that is adapted for connection to a **support** means and has a recessed portion; and a pair of pivot arms that include mounting protrusions pivotally mounted in the recessed portion. Each pivot arm is adapted to pivot about a first axis parallel to a longitudinal axis of the hollow post. The system also includes a pair of mounting assemblies respectively affixed to the pivot arms and a pair of monitors respectively secured to the mounting assemblies. Each mounting assembly is adapted to allow one of the monitors to rotate relative to one of the pivot arms about a second axis substantially perpendicular to the first axis and may include a first signal connector. Each monitor frame may include two second signal connectors configured to respectively engage the first signal connector at portrait and landscape orientations thereof relative to the post. L'invention porte sur des systemes d'affichage d'une pluralite d'images. Un systeme comprend: un montant creux qui est adapte pour un assemblage a un moyen de **support** et a une partie renforcee; et une paire de bras a pivot qui comprennent des protuberances de montage montees de facon pivotante dans la partie renforcee. Chaque bras a pivot est apte a pivoter autour d'un premier axe parallele a un axe longitudinal du montant creux. Le systeme comprend egalement une paire d'ensembles de montage respectivement fixes aux bras a pivot et une paire de moniteurs respectivement fixes aux ensembles de montage. Chaque ensemble de montage est apte a permettre a l'un des moniteurs de tourner par rapport a l'un des bras a pivot autour d'un second axe sensiblement perpendiculaire au premier axe et peut comprendre un premier connecteur de signal. Chaque cadre de moniteur peut comprendre deux seconds connecteurs de signal configures pour cooperer respectivement avec le premier connecteur de signal dans des orientations portrait et paysage de celui-ci par rapport au montant.



**International class (IPC 8-9):** F16M11/08 G06F1/16 G06F3/14 H04N5/64 (Advanced/Invention);  
G06F1/16 G06F3/14 (Core/Invention);  
F16M11/08 H04N5/64 (Core/Non-invention)  
**CPC:** G06F1/1601  
**European class:** G06F1/16D  
**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| TW201026047 A      | 20100701  | TW20090101076      | 20090113  |
| TW1523524 B        | 20160221  | TW20090101076      | 20090113  |
| WO10077249 A1      | 20100708  | WO2008US88680      | 20081231  |
| WO10077249 A9      | 20110303  | WO2008US88680      | 20081231  |

**Priority:** WO2008US88680 20081231;

**Cited documents:** US7403376, US7369401, US2006249649, US2005258319 AA, US2004196209 AA, US2004035987, KR20070077847 A, KR20010035447 A,  
**Assignee(s):** (std): EVGA CORP ; HAN TAI SHENG ANDREW  
**Inventor(s):** (std): HAN TAI SHENG ANDREW  
**Inventor(s):** HAN, TAI-SHENG ANDREW ; HAN TAI SHENG (ANDREW)  
**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

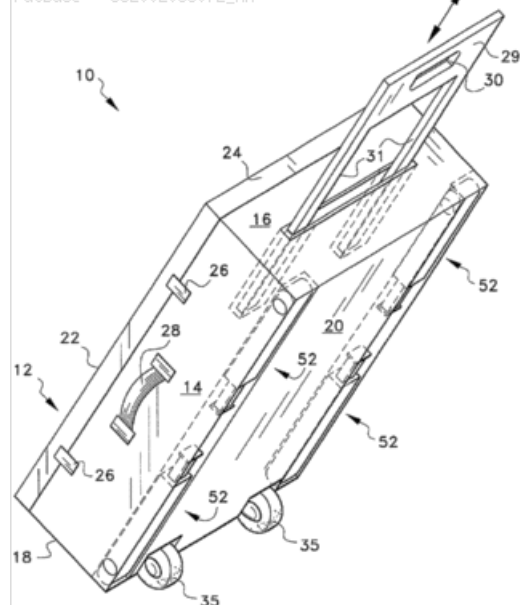
**11) Family number: 23173144 (US2002063072A)**

**Title:** Computer case/table

**Abstract:**

Source: US2002063072A A **computer** case/table for a laptop **computer**. When used as a case, the compact design allows for easy and convenient transport of a laptop **computer** from one location to another. Upon reaching the destination, the user may readily convert the case to a **computer** table on which the laptop **computer** can be placed for use. The case includes retractable, **telescopic** legs and a variety of **computer** accessories, such as a backup battery pack, and connectors for telephone and Internet access. An internal **support** system allows the laptop **computer** to rise in a forward tilted position from a stowed position to an upward position. Upon lifting of the case lid. This allows for the comfortable use of the **computer**, and promotes cooling of the rear portion of the **computer**, where heat tends to build up, by exposure to and promotion of the circulation of cooling environmental air.

PatBase - US2002063072\_AA



**International class (IPC 8-9):** A45C 15/00 A45C 5/14 A45C 9/00 G06F 1/16 G06F 1/20 (Advanced/Invention)

**International class (IPC 1-7):** B65D 85/00

**CPC:** G06F 1/20 A45C 5/14 A45C 9/00 A45C 15/00 G06F 1/1628

**European class:** A45C 15/00 A45C 5/14 A45C 9/00 G06F 1/16P4 G06F 1/20

**US class:** 190/11 190/11S 206/320 206/320P

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| US2002063072 AA    | 20020530  | US20000725575      | 20001130  |

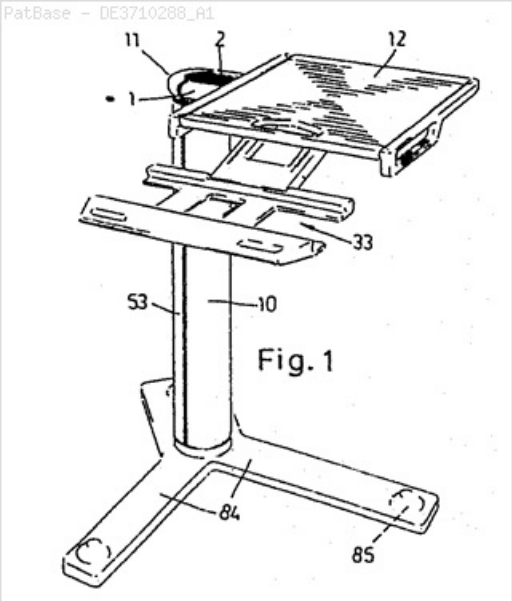
**Priority:** US20000725575 20001130;

**Assignee(s):** PHAM THUAN MINH

**Inventor(s):** (std): PHAM THUAN MINH

**12) Family number: 30916020 (DE3710288A1)**  
**Title:** CARRYING DEVICE FOR COMPUTER DEVICES TRAGVORRICHTUNG FUER COMPUTERGERAETE

**Abstract:**  
Source: DE3710288A1 Until now, electrical cables and connectors for **computer** devices at the workplace were laid laboriously in fixed positions in cable channels, which is expensive and awkward. Also, the **computer** devices cannot be adjusted variably to the operator, but are in fixed positions. The new carrying device is intended to make possible easily accessible cabling and ergonomic adjustment of the **computer** devices at the workplace. The carrying device has a column (10) with a cable channel, which column carries carrying arms (1) with an externally closed, accessible cable channel, and the carrying arm (1) has an individually adjustable device carrier (12) with a keyboard extension (33) (Fig. 1). The carrying arm can also be fixed to a desk. This carrying device makes possible convenient cabling and individual adjustment of the **computer** device to the operator.



**International class (IPC 8-9):** A47B21/00 A47B21/02 A47B21/03 F16M11/04 F16M11/24 (Advanced/Invention); A47B21/00 F16M11/02 F16M11/20 (Core/Invention)  
**International class (IPC 1-7):** A47B37/02 B41J29/06 F16M11/06 F16M11/08 F16M11/12 F16M11/22 F16M11/26 G06C5/00 G06C5/02 G06F1/16 G06F3/02 H02G11/00 H02G3/04 H05K7/18  
**CPC:** A47B21/06 A47B21/00 A47B21/02 A47B21/0314 A47B2021/0321 A47B2021/0364 A47B2037/005 A47B2200/0069 A47B2200/0076 A47B2200/0085 A47B2200/0086 A47B2200/0088 F16M11/08 F16M11/10 F16M11/2021 F16M11/2092 F16M11/24 F16M2200/048 A47B21/03 F16M11/2014 F16M11/2085 F16M13/022 F16M2200/068  
**European class:** A47B21/00 A47B21/02 A47B21/03 A47B21/03B A47B21/06 F16M11/04 F16M11/08 F16M11/10 F16M11/20A1 F16M11/20A2 F16M11/20B F16M11/20C F16M11/24 F16M13/02A K47B200/00D1B K47B200/00D5 K47B200/00F1 K47B200/00F2 K47B200/00F4 K47B21/03B2 K47B21/03B4 K47B37/00L R16M200/04D R16M200/06E  
**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| DE3710288 A1       | 19881006  | DE19873710288      | 19870328  |
| DE3710288 C2       | 19890720  | DE19873710288      | 19870328  |
| DE3744702 A1       | 19881215  | DE19873744702      | 19870328  |
| DE3744702 C2       | 19900705  | DE19873744702      | 19870328  |
| DE3744703 A1       | 19890105  | DE19873744703      | 19870328  |
| DE3744704 A1       | 19881215  | DE19873744704      | 19870328  |
| DE3744704 C2       | 19900118  | DE19873744704      | 19870328  |
| DE3744706 A1       | 19881215  | DE19873744706      | 19870328  |
| DE8717798 U1       | 19900315  | DE19870017798U     | 19870328  |
| DE8717840 U1       | 19900613  | DE19870017840U     | 19870328  |

**Priority:** DE19873710288 19870328; DE19873744702 19870328; DE19873744704 19870328; DE19873744703 19870328; DE19873744706 19870328;

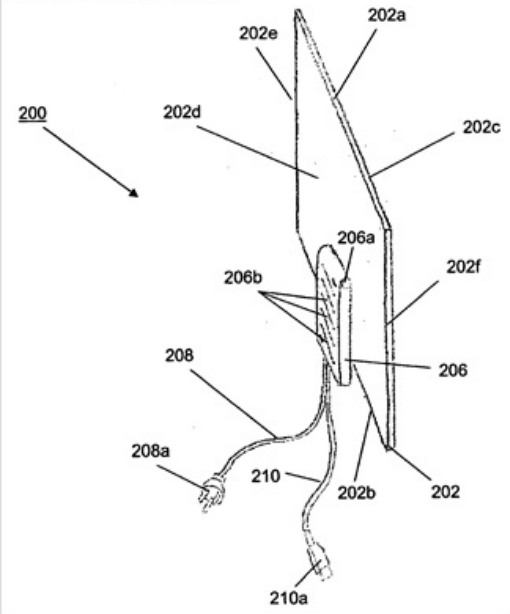
**Cited documents:** US4437638 A, EP0074019 A2, DE8517368 U, DE8429322 U, DE8404298 U, DE8103660 U, DE3609256 A1, DE3034013 C2, DE3034013 A1,  
**Assignee(s):** (std): ROSE ELEKTROTECH GMBH ; ROSE ELEKTROTECHNIK GMBH AND CO ELEKTROTECHNISC KG  
**Assignee(s):** ROSE ELEKTROTECHNIK GMBH AND CO ELEKTROTECHNISCHE FABRIK 4952 PORTA WESTFALICA DE KG ; ROSE ELEKTROTECHNIK GMBH AND CO ELEKTROTECHNISCHE FABRIK KG ; ROSE ELEKTROTECHNIK GMBH AND CO KG ; ROSE ELEKTROTECHNIK GMBH AND CO KG ELEKTROTECHNISCHE FABRIK ; ROSE ELEKTROTECHNIK GMBH AND CO KG ELEKTROTECHNISCHE FABRIK 4952 PORTA WESTFALICA DE ; ROSE-ELEKTROTECHNIK GMBH AND CO KG ELEKTROTECHNISCHE FABRIK 4952 PORTA WESTFALICA DE  
**Inventor(s):** (std): SCHNEIDER WOLFGANG  
**Inventor(s):** SCHNEIDER WOLFGANG 4952 PORTA WESTFALICA DE

13) Family number: 44284485 (US2010020482A)  
Title: EXTERNALLY CONNECTABLE THIN DISPLAY

Abstract:

Source: US2010020482A A **display** system includes a **display** chassis defining a **display** chassis housing. A **display** panel is located in the **display** chassis housing. A power supply module chassis defines a power supply module housing and is coupled to the **display** chassis outside of the **display** chassis housing. A power supply module is located in the power supply module housing and coupled to the **display** panel. Such **display** system architecture allows the **display** chassis to be much thinner than conventional externally connectable **display** chassis.

PatBase - US2010020482\_AA



International class (IPC 8-9): G05F1/46 G06F1/16 H05K7/18 (Advanced/Invention);  
G05F1/10 H05K7/18 (Core/Invention)  
CPC: Y10T307/406 G06F1/1601  
European class: G06F1/16D  
US class: 307/31 307/31S 361/679.21 361/679.210P  
Family:

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| US2010020482 AA    | 20100128  | US20080179257      | 20080724  |
| US7830650 BB       | 20101109  | US20080179257      | 20080724  |

Priority: US20080179257 20080724;

Cited documents: US7072179 BA, US6636282 BB, US6556431 BA, US6392873 BA, US6366452 BA, US6104451 A, US6052279 A, US5835343 A, US5793606 A, US5786984 A, US5668570 A, US2008186664 AA, US2007064388 AA, US2006221565 AA, US2006203436 AA, US2006198097 AA, US2006022108 AA, US2004150945 AA,

Assignee(s): (std): DELL PRODUCTS LP

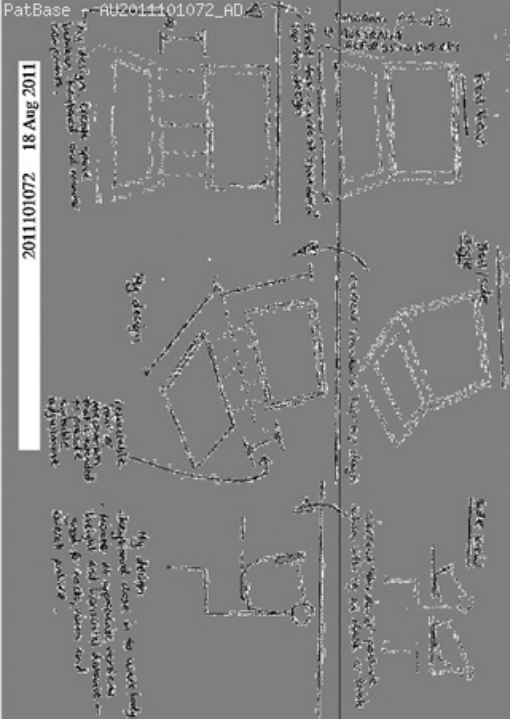
Assignee(s): COMPELLANT TECHNOLOGIES INC ; COMPELLENT TECHNOLOGIES INC ; CREDANT TECHNOLOGIES INC ; DELL INC ; DELL MARKETING LP ; BANK OF NEW YORK MELLON TRUST CO NA NOTES COLLATERAL AGENT AS ; CREDIT SUISSE CAYMAN ISLANDS BRANCH COLLATERAL AGENT AG AS ; DELL SOFTWARE INC ; DELL USA LP ; FORCE10 NETWORKS INC ; PEROT SYSTEMS CORP ; SECUREWORKS INC ; WYSE TECHNOLOGY LLC ; APPASSURE SOFTWARE INC ; ASAP SOFTWARE EXPRESS INC ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS ; BANK OF AMERICA NA COLLATERAL AGENT AS ; BANK OF NEW YORK MELLON TRUST CO NA FIRST LIEN COLLATERAL AGENT AS ; DELL PRODUCTS L P

Inventor(s): (std): GOODART JOE E ; MEHTA PRATIK ; MONTAG BRUCE

PatBase PDF Export - Page: 17 15/02/2018

15) Family number: 50499233 (AU2011101072A)  
Title: Add Libb Space

Abstract:  
Source: AU2011101072A Specifications abstract This design effectively creates space between the two main components of a lap top or notebook computer, whilst still allowing it to be compact for ease of portability. The purpose is to improve the ergonomic set up for the user. It assists a lap top or notebook computer user to ultimately achieve increased productivity. It does so by allowing the user to set up improved ergonomics for them - via the position of the keyboard and monitor appropriately for them, which minimises the risk of sustaining injury or loss in productivity. It is anticipated that this design be "built into" the shell of future lap top and notebook computers as a standard feature, moving away from the current design where the keyboard and monitor components are attached by hinge joints with minimal space between the two components which ultimately restricts achieving a good ergonomic set up for the user.



International class (IPC 8-9): G06F1/16 (Advanced/Invention)  
Family:

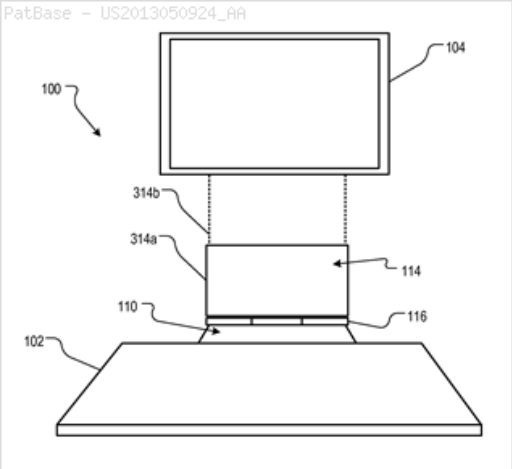
| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| AU2011101072 AD    | 20110929  | AU20110101072      | 20110818  |

Priority: AU20110101072 20110818;

Assignee(s): (std): ELIZABETH WILLIAMS  
Assignee(s): WILLIAMS ELIZABETH ; WILLIAMS ELIZABETH SARAH MS  
Inventor(s): (std): ELIZABETH WILLIAMS  
Inventor(s): WILLIAMS ELIZABETH

**16) Family number: 53124180 (US2013050924A)**  
**Title:** SCREEN POSITION ADJUSTMENT FOR A LAPTOP COMPUTER

**Abstract:**  
Source: US2013050924A An adjustable **hinge** connects a base section and a top section of a laptop **computer**. The base section can include a keyboard. The top section can include a **display** screen. When the laptop **computer** is in a closed position, the adjustable **hinge** can collapse into the base section and the top section. When the laptop **computer** is in an open position, a portion of the adjustable **hinge** can be extended from the base section to adjust a distance between the **display** screen and a user. Another portion of the adjustable **hinge** can be extended from the top section to adjust a height of the **display** screen.



**International class (IPC 8-9):** G06F1/16 (Advanced/Invention)  
**CPC:** G06F1/1637 G06F1/1681  
**US class:** 16/341 312/294 345/173 361/679.05 361/679.09 361/679.55 455/575.4  
**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| US2013050924 AA    | 20130228  | US20120405161      | 20120224  |
| US8749969 BB       | 20140610  | US20120405161      | 20120224  |

**Priority:** US20110217111 20110824; US20120405161 20120224;

**Cited documents:** US2013178161 AA, US2007206349 AA, US2006181607 AA,  
**Assignee(s):** (std): MA XIN ; YANG HONG  
**Inventor(s):** (std): MA XIN ; YANG HONG

**17) Family number: 54783617 (CN203182481U)**

**Title:** LUGGAGE BOX TYPE TOUCH PLATE TRANSPARENT LIQUID CRYSTAL DISPLAY BOX

**Abstract:**

Source: CN203182481U The utility model relates to a luggage box type touch plate transparent liquid crystal **display** box. The luggage box type touch plate transparent liquid crystal **display** box comprises a box body and a box cover. A handle, a **telescopic** rod and steering wheels are arranged on the box body. The luggage box type touch plate transparent liquid crystal **display** box is characterized in that a touch transparent liquid crystal screen, an illuminating component and a **display** bin are arranged in the box cover, a working layer is arranged in the box body, a **computer**, a voice box and a UPS are arranged in the working layer, a power interface is arranged outside the box body to bring convenience to battery charging, heat dissipation holes are formed in the side face of the box body, a **hinge** installed in the rear of a luggage box can **support** the box cover and the box body to form a 90-degree angle after the box cover is opened, and then transparent liquid crystal **display** is conducted. The touch transparent liquid crystal **display** box can combine articles **displayed** in the **display** bin and plane video playing pictures, and can conduct single-point or multi-point touch control on the transparent liquid crystal **display** screen. The touch transparent liquid crystal **display** box no longer only achieves **display** of static articles, and is also a multimedia information **display** platform. Customers can intuitively and vividly get to know enterprises and products. The whole structure of the **display** box is in the luggage box type, so that the **display** box is easy to carry and transport, the articles cannot be damaged easily, and safety performance is high.



**International class (IPC 8-9):** A45C15/00 A45C15/06 A47F3/00 F21V33/00 G02F1/1333 G06F3/041 (Advanced/Invention); F21Y101/02 F21Y115/10 (Advanced/Non-invention)

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN103976601 A      | 20140813  | CN201310049482     | 20130207  |
| CN203182481 U      | 20130911  | CN201320071498U    | 20130207  |

**Priority:** CN201310049482 20130207; CN201320071498U 20130207;

**Cited documents:** US2005121275 AA, CN203182481 U, CN202714571 U, CN202567349 U, CN201812275 U, CN201595530 U, CN102481041 A,

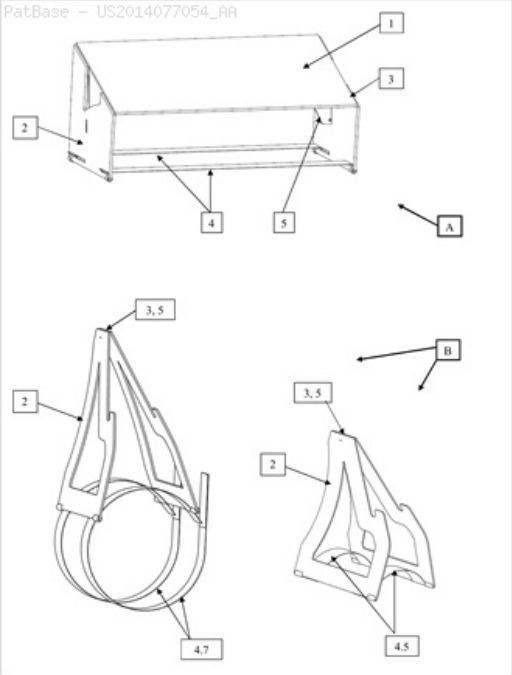
**Assignee(s):** (std): HUANG ZHENQIANG

**Assignee(s):** WONG CHUN KEUNG

**Inventor(s):** (std): HUANG ZHENQIANG

18) Family number: 56015085 (US2014077054A)  
Title: SUPPORT ULTRAPORTABLE MULTIFONCTIONS

Abstract:  
Source: US2014077054A Ultraportable support (A, B, B', C, D, E), comprising at least two feet (2) attached by means of hinges (3) allowing rotation of said feet (2), a locking system (5) of the hinges (3) allowing to maintain the feet (2) into different angular positions, the support further comprises at least two straps (4) whose width is substantially constant over the entire length, each of the straps (4) being attached to the two opposed feet (2) at a location of the foot distant from the hinges (3).



International class (IPC 8-9): A47B17/00 A47B21/00 A47B21/04 A47B23/00 A47B23/04 A47B97/04 F16M11/04 F16M11/16 F16M13/04 G06F1/16 (Advanced/Invention);  
A47B23/00 (Core/Invention)  
CPC: F16M13/04 F16M11/04 F16M11/16 F16M11/22 F16M13/00 A47B23/002 A47B23/044 A47B203/049  
US class: 248/444  
Family:

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| AT14184 U1         | 20150515  | AT20130000297U     | 20130912  |
| CH706896 A2        | 20140314  | CH20130001600      | 20130912  |
| CN204949986 U      | 20160113  | CN201390000876U    | 20130912  |
| DE202013008052 U1  | 20140410  | DE201320008052U    | 20130912  |
| FR2995384 A1       | 20140314  | FR20130058808      | 20130912  |
| FR2995384 B1       | 20170210  | FR20130058808      | 20130912  |
| LU92072 A1         | 20140313  | LU20120092072      | 20120912  |
| LU92279 A2         | 20150112  | LU20130092279      | 20130912  |
| NL2011428 A1       | 20140318  | NL20132011428      | 20130912  |
| NL2011428 B1       | 20170228  | NL20132011428      | 20130912  |
| US2014077054 AA    | 20140320  | US20130024712      | 20130912  |
| US9551459 BB       | 20170124  | US20130024712      | 20130912  |
| WO14041101 A1      | 20140320  | WO2013EP68960      | 20130912  |
| WO14041101 A8      | 20140530  | WO2013EP68960      | 20130912  |

Priority: LU20120092072 20120912; LU20130092186 20130423; WO2013EP68960 20130912;

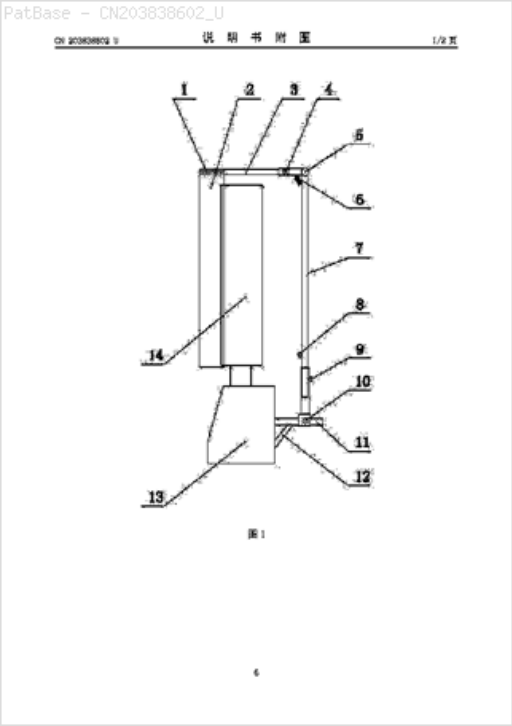
Cited documents: US6663072 BA, US6496360 BA, US5263423 A, US5127339 A, GB220337 A, CA2609397 AA,  
Assignee(s): (std): ANDRE HEYEN ; HEYEN ANDRE ; XHEYEN ANDRE ; NEWCONCEPTS S A R L AND CO S E C S ; NEWCONCEPTS S A R L AND S E C S  
Assignee(s): NEWCONCEPTS RL AND SECS SA ; NEWCONCEPTS SARL AND CO SECS ; NEWCONCEPTS RL AND CO SECS SA ; HEYEN  
Inventor(s): (std): ANDRE HEYEN ; HEYEN ANDRE ; XHEYEN ANDRE  
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

19) Family number: 57383331 (CN203838602U)

Title: SHADING-PLATE-PROVIDED SUPPORT FRAME CAPABLE OF PREVENTING DISPLAYER SCREEN FROM REFLECTING LIGHT

Abstract:

Source: CN203838602U The utility model relates to the technical field of computer displayer supports, in particular to a shading-plate-provided support frame capable of preventing a displayer screen from reflecting light. The support frame comprises a support body, and a triangular supporting rod frame is arranged in the middle of the right side face of the support body. A shaft sleeve is arranged on a horizontal rod of the triangular supporting rod frame in a sleeved mode, a vertical telescopic rod is arranged on the shaft sleeve, and a fixing bolt A is arranged on the vertical telescopic rod. A rotation shaft is arranged at the top end of the vertical telescopic rod, a horizontal telescopic rod is arranged on the left side face of the rotation shaft, and a fixing bolt B is arranged on the horizontal telescopic rod. A hinge is arranged at the position of the outer end of the horizontal telescopic rod, and two hinge bodies of the hinge are provided with a horizontal shading plate and a vertical shading plate respectively. The support frame is simple in structure, low in cost and convenient to operate, the height of the support frame in the vertical direction and the width of the support frame in the horizontal direction can be adjusted, the support frame is suitable for shading displayers of various specifications, the working efficiency is improved, and convenience is brought to work of users.



International class (IPC 8-9): F16M11/00 G06F1/16 (Advanced/Invention)

Family:

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN203838602 U      | 20140917  | CN201420205153U    | 20140425  |

Priority: CN201420205153U 20140425;

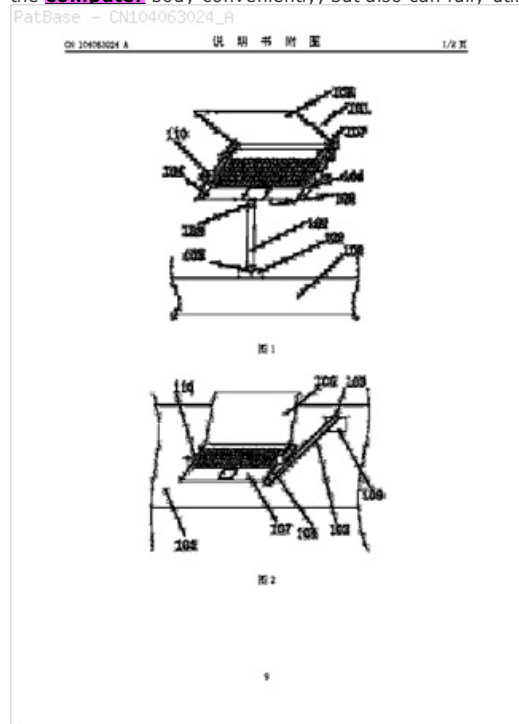
Assignee(s): (std): NANJING HENTY ELECTRONICS CO LTD  
Assignee(s): TI HENG ELECTRONICS CO LTD NANJING ; NANJING HENTY ELECTRONICS CO  
Inventor(s): (std): WANG NINGJUN

**20) Family number: 57463029 (CN104063024A)**

**Title:** COMPUTER WITH STAND

**Abstract:**

Source: CN104063024A The invention relates to the field of electronic equipment, in particular to a **computer** with a stand. The **computer** with the stand comprises a **computer** body and the stand, wherein the stand comprises a stand body and movable **hinges**; the movable **hinges** are arranged at both ends of the stand body; one movable **hinge** is connected with the **computer** body; the other movable **hinge** is connected with an office table; the stand body is a **telescopic** link. The **computer** with the stand, provided by the invention, has the advantages that a user can place the **computer** body on the table to work when the user needs to use the **computer** at work, and **support** the **computer** body with the stand to maximize the usable area of the office table when the user does not need to use the **computer** at work; when the user not only needs to use the **computer**, but also needs to settle paper documents on the office table, the user can adjust the stand to adjust the **computer** body to a proper position so that working data can be input and the **computer** body is **supported**, therefore the user not only can input working data to the **computer** body conveniently, but also can fully utilize the space of the office table to work conveniently.



**International class (IPC 8-9):** F16M11/06 F16M13/02 G06F1/16 (Advanced/Invention)

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN104063024 A      | 20140924  | CN201410287700     | 20140624  |

**Priority:** CN201410287700 20140624;

**Assignee(s):** (std): LIN HONG

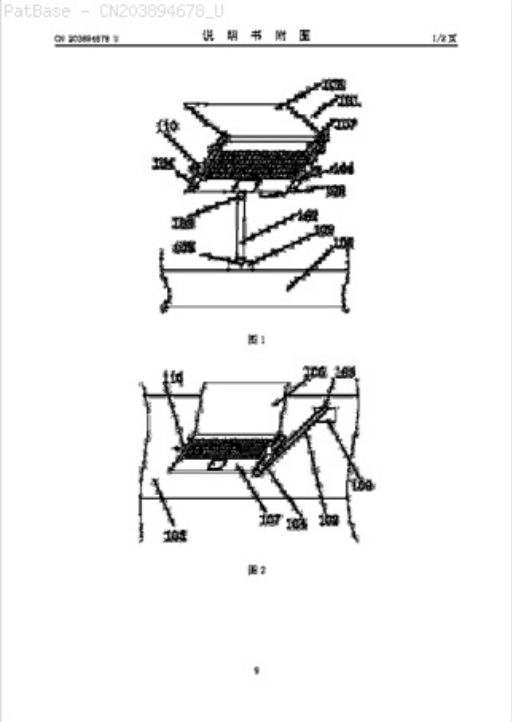
**Assignee(s):** TEDY

**Inventor(s):** (std): LIN HONG

21) Family number: 57638883 (CN203894678U)  
Title: COMPUTER WITH SUPPORT

Abstract:

Source: CN203894678U The utility model relates to the field of electronic devices, in particular to a computer with a support. The computer with the support comprises a computer body and the support. The support comprises a support body and movable hinges. The movable hinges are arranged at the two ends of the support body respectively. One movable hinge is connected with the computer body, and the other movable hinge is used for being connected with an office table. The support body is a telescopic rod. When office business needs to be handled with the computer with the support, the computer body can be placed on a table top for handling the office business; when the office business does not need to be handled with the computer, the computer body can be supported through the support, and thus the usable area of the office table can be maximized; when paper documents need to be handled with the computer and the office table at the same time, the computer body is adjusted to be in a position suitable for entering working data by adjusting the support, and thus people can conveniently enter the working data into the computer body, the space of the office table can be fully utilized, and people can handle office business conveniently.



International class (IPC 8-9): G06F1/16 (Advanced/Invention)  
Family:

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN203894678 U      | 20141022  | CN201420342292U    | 20140624  |

Priority: CN201420342292U 20140624;

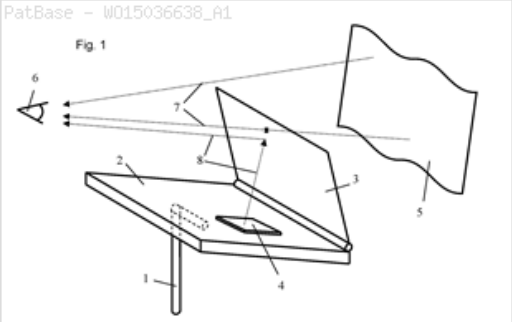
Assignee(s): (std): LIN HONG  
Assignee(s): TEDY  
Inventor(s): (std): LIN HONG

22) Family number: 58735094 (WO15036638A1)

**Title:** ACCESSORY FOR VIEWING, IN PROJECTION ROOMS, ACCESSIBILITY ELEMENTS ASSOCIATED WITH AUDIOVISUAL CONTENT  
ACCESSOIRE POUR LA VISUALISATION EN SALLES DE PROJECTION D'ELEMENTS D'ACCESSIBILITE ASSOCIES A DES CONTENUS AUDIOVISUELS  
ACCESORIO PARA LA VISUALIZACION EN SALAS DE PROYECCION DE ELEMENTOS DE ACCESIBILIDAD ASOCIADOS A CONTENIDOS AUDIOVISUALES

**Abstract:**

Source: WO15036638A1 The invention relates to an accessory for viewing, in projection rooms (cinema, theatre, education hall, conference room, museum, aeroplane, train, vehicle, at home, etc.), accessibility elements associated with audiovisual content, said accessory comprising at least one securing **support** for a mobile device and an extension provided with a reflection element, which is also transparent, and optionally a holding bar with a mechanism for anchoring to the seat or tray of the user, and a **support** for magnifier. La presente invention concerne un accessoire pour la visualisation en salles de projection (cinema, theatre, salles de cours, salle de conference, musee, avion, train, vehicule, domicile, etc.) d'elements d'accessibilite associes a des contenus audiovisuels, comprenant au moins un **support** de fixation pour un dispositif mobile et une extension dotee d'un element de reflexion, lequel est aussi transparent, et eventuellement une barre de fixation avec mecanisme d'ancrage au siege ou a la tablette de l'utilisateur et un **support** pour une loupe de grossissement. La presente invencion describe un accesorio para la visualizacion en salas de proyeccion (cine, teatro, aulas de educacion, sala de conferencia, museo, avion, tren, vehiculo, domicilio, etc.) de elementos de accesibilidad asociados a contenidos audiovisuales que comprende al menos un soporte de fijacion para un dispositivo movil y una extension dotada de un elemento de reflexion, que tambien es transparente, y opcionalmente una barra de sujecion con mecanismo de anclaje al asiento o bandeja del usuario y un soporte para una lupa ampliadora.



**International class (IPC 8-9):** A47B21/013 A47B21/03 G02B27/01 G06F1/16 (Advanced/Invention)

**CPC:** G06F1/1639 A47B21/0314 G02B27/0179 G02B27/0149 G02B2027/0169 G02B2027/015

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| ES2540029 AA       | 20150707  | ES20130031319      | 20130911  |
| ES2540029 BA       | 20160413  | ES20130031319      | 20130911  |
| WO15036638 A1      | 20150319  | WO2014ES70689      | 20140910  |

**Priority:** ES20130031319 20130911;

**Cited documents:** WO13109435 A1, WO12169422 A1, WO12162386 A1, US6481851 BA, US2008029663 AA, FR2987423 A1, FR2943431 A1,

**Assignee(s):** (std): UNIV MADRID CARLOS III

**Assignee(s):** UNIVERSIDAD CARLOS III DE MADRID

**Inventor(s):** (std): GARCIA CRESPO ANGEL ; GONZALEZ CARRASCO ISRAEL ; LOPEZ CUADRADO JOSE LUIS

**Inventor(s):** ANGEL GARCIA CRESPO ; ISRAEL GONZALEZ CARRASCO ; JOSE LUIS LOPEZ CUADRADO

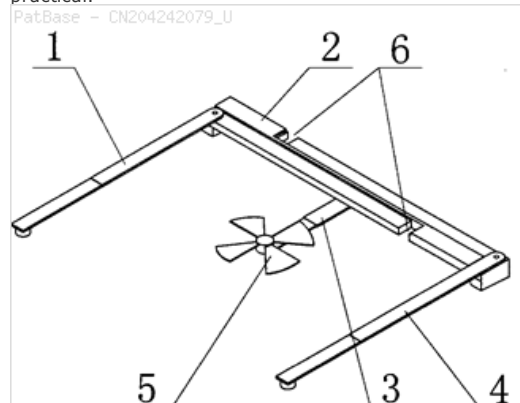
**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

**23) Family number: 58851247 (CN204242079U)**

**Title:** NOTEBOOK COMPUTER RADIATOR

**Abstract:**

Source: CN204242079U The utility model discloses a notebook **computer** radiator, which substantially comprises a first **support**, a main **support**, a fan **support**, a second **support** and a fan, wherein the first **support** and the main **support** are connected through a **hinge**, the main **support** and the second **support** are connected through a **hinge**, the fan **support** and the main **support** are connected through a **hinge**, the fan is arranged on the fan **support**, the first **support**, the second **support** and the fan **support** are of **telescopic** structures, and the main **support** is provided with two notches. The position of the fan can be changed by rotating and stretching the fan **support**, and aims to the main heating parts of a notebook **computer**, and is suitable for different types of notebook **computers**. The first and the second **supports** are screwed into the main **support**, and the fan **support** is rotated and retracted to a suitable position, thereby reducing the whole size, and being convenient to carry or store. The notebook **computer** radiator is reasonable in structure and wide in range of application, and is economical and practical.



**International class (IPC 8-9):** G06F1/20 (Advanced/Invention)

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN204242079 U      | 20150401  | CN201420701134U    | 20141121  |

**Priority:** CN201420701134U 20141121;

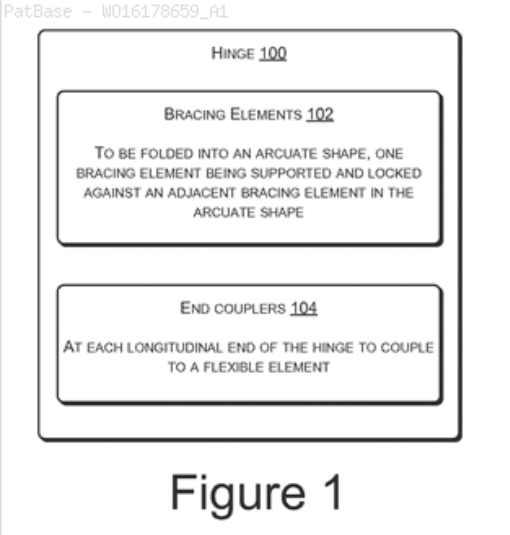
**Assignee(s):** (std): GUANGXI UNIV ; UNIV GUANGXI

**Inventor(s):** (std): CHEN YANMEI ; HUANG CAIGUI ; LI YANZHOU ; TENG QINGQING ; ZHOU QING



25) Family number: 63934129 (WO16178659A1)  
Title: HINGE FOR FOLDABLE COMPONENTS CHARNIERE POUR ELEMENTS PLIABLES

Abstract:  
Source: WO16178659A1 Examples of a **hinge** for foldable components are described herein. In an example, the **hinge** can include a plurality of bracing elements, a bracing element from the plurality of bracing elements can be operably coupled to an adjacent bracing element from the plurality of bracing elements, to fold the plurality of bracing elements into an arcuate shape. Each bracing element can be **supported** and locked against the adjacent bracing element in the arcuate shape. The **hinge** can further include an end coupler at each longitudinal end of the **hinge** to couple the **hinge** to a flexible element. La presente invention concerne des exemples d'une charniere pour elements pliables. Dans un exemple, la charniere peut comprendre une pluralite d'elements de contreventement, un element de contreventement provenant de la pluralite d'elements de contreventement peut etre couple de maniere operationnelle a un element de contreventement adjacent provenant de la pluralite d'elements de contreventement, pour plier la pluralite d'elements de contreventement dans une forme arquee. Chaque element de contreventement peut etre porte et verrouille contre l'element de contreventement adjacent dans la forme arquee. La charniere peut en outre comprendre un coupleur d'extremite en correspondance de chaque extremite longitudinale de la charniere pour coupler la charniere a un element flexible.



International class (IPC 8-9): E05D7/10 G06F1/16 H04M1/02 H05K7/16 (Advanced/Invention)  
CPC: H04M1/0216 H04M1/022 G06F1/1652 G06F1/1681  
Family:

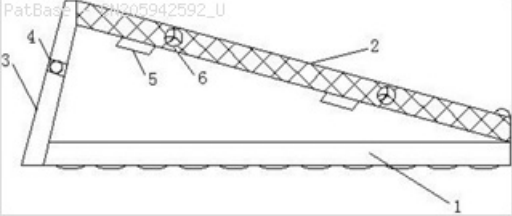
| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN107548478 A      | 20180105  | CN201580079482     | 20150504  |
| EP3257342 A1       | 20171220  | EP20150891349      | 20150504  |
| TW201702472 A      | 20170116  | TW20160108679      | 20160321  |
| WO16178659 A1      | 20161110  | WO2015US28982      | 20150504  |

Priority: WO2015US28982 20150504;

Cited documents: US2013070431 AA, US2010246113 AA, KR20110100936 A, KR101452867 B1, KR101346146 B1,  
Assignee(s): (std): HEWLETT PACKARD DEV CO L P ; HEWLETT PACKARD DEVELOPMENT CO L P  
Assignee(s): HEWLETT PACKARD DEVELOPMENT CO LP  
Inventor(s): (std): CHANG CHI HAO ; CHEN WEI CHUNG ; CHU WEI KUANG ; KU CHARLIE ; LIAO CHENG FENG ; WANG KUN CHIH ; WU KUAN TIN ; WU KUAN TING  
Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

**26) Family number: 64860086 (CN205942592U)**  
**Title:** PORTABLE COMPUTER SUPPORT THAT DISPELS HEAT  
**Abstract:**

Source: CN205942592U The utility model discloses a portable **computer support** that dispels heat, the on-line screen storage device comprises a base, the one end of base has a heating panel through the **hinge** is articulated, and the one end that the heating panel was being kept away from to the base has the backup pad through the **hinge** is articulated, and the bottom of base is equipped with rubber non-slip raised, the upper surface both sides of heating panel all are equipped with the dog, and are equipped with air outlet fan on the dog, the upper surface lower extreme of heating panel is equipped with the stopper, and the lower terminal surface of heating panel is equipped with heat abstractor, not only can carry out the efficient heat dissipation to the **computer**, and through the mating reaction between air outlet fan and the heat abstractor, can play better radiating effect, through electric **telescopic** handle and bedding-in of bearings, can be when not using the heat dissipation **support**, can carry on the coincide to the anomalous **support** of size, carrying of people has so not only been made things convenient for, but also can not influence the use of heat dissipation next time **support**, and has strong practicability.



**International class (IPC 8-9):** G06F1/20 (Advanced/Invention)  
**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN205942592 U      | 20170208  | CN201620627164U    | 20160622  |

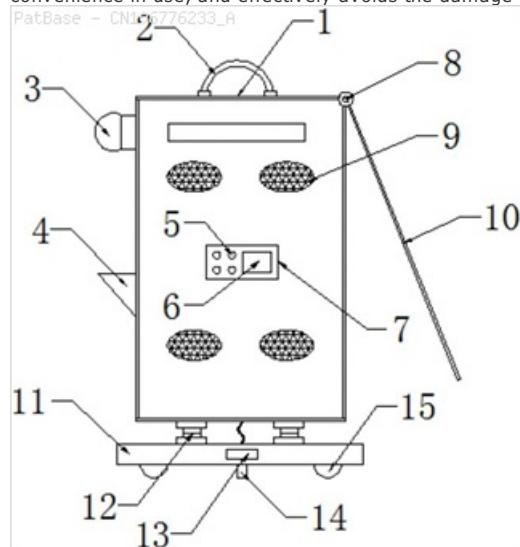
**Priority:** CN201620627164U 20160622;

**Assignee(s):** (std): ZHOU HAIHANG  
**Assignee(s):** WEEK HNA  
**Inventor(s):** (std): ZHOU HAIHANG

**27) Family number: 65885782 (CN106776233A)**  
**Title:** ANTI-CREEPING DEVICE FOR COMPUTER

**Abstract:**

Source: CN106776233A The invention discloses an anti-creeping device for a **computer**. The anti-creeping device for the **computer** comprises a housing, a box cover, a base, a host body and a **support** plate. The housing is connected with the base through a **telescopic** bracket fixedly installed at the bottom of the housing. The host body is movably provided with the box cover through a **hinge** at one end of the side. A plurality of radiating air outlets are arranged on the side end of the main body. The **supporting** plate is fixedly arranged at the bottom of the inner housing. The **supporting** plate is connected with a touchdown connector embedded in the base through an elastic connecting wire. The side end of the base is provided with a pulling slide block. The pulling slide block is fixedly connected with the touchdown connector. The host body is arranged on the **support** plate in the housing. The transverse face of the host body is in close connection with the touchdown connector. The touchdown connector is connected with a control panel outside the housing through a buffer spring. The control panel is provided with an operating button and a current detector. An alarm is fixedly arranged at one end of the housing. The anti-creeping device has the advantages of compact structure and convenience in use, and effectively avoids the damage to the equipment and the human body caused by the leakage of the host.



**International class (IPC 8-9):** G06F1/20 G06F11/30 G06F11/32 (Advanced/Invention)

**CPC:** G06F11/3058 G06F1/20 G06F11/327

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN106776233 A      | 20170531  | CN201710028901     | 20170116  |

**Priority:** CN201710028901 20170116;

**Assignee(s):** (std): CHIZHOU VOCATIONAL AND TECHNICAL COLLEGE

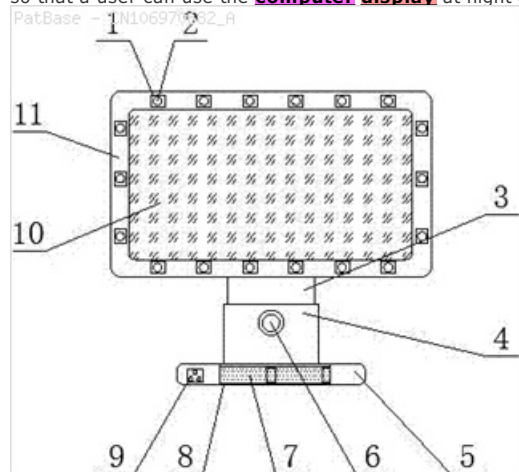
**Inventor(s):** (std): YU YI

28) Family number: 66413838 (CN106970682A)

Title: NOVEL COMPUTER DISPLAY WITH NIGHT LAMPS

Abstract:

Source: CN106970682A The invention discloses a novel computer display with night lamps. The novel computer display comprises a computer display base; a battery cabin is arranged in the computer display base; a graphene battery is arranged in the battery cabin; the front surface of the computer display base is inlaid with a power jack; the computer display base and a telescopic outer rod form an integrated structure; a telescopic inner rod extending outwards is arranged in the telescopic outer rod; a computer display support rod fixing bolt is arranged at the joint of the telescopic outer rod and the telescopic inner rod; a hinge is arranged at the joint of the telescopic inner rod and a display shell body; a display screen is arranged on the front surface of the display shell body; at least ten LED lamp bases are uniformly mounted on the edge of the display shell body; and the LED lamp bases and LED bulbs are connected with a power supply to emit light, so that a user can use the computer display at night conveniently.



International class (IPC 8-9): F21V33/00 F21Y105/18 F21Y115/10 G06F1/16 (Advanced/Invention); F21Y105/18 F21Y115/10 (Advanced/Non-invention)

CPC: G06F1/1601

Family:

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN106970682 A      | 20170721  | CN201710195303     | 20170329  |

Priority: CN201710195303 20170329;

Assignee(s): (std): SUN YUE

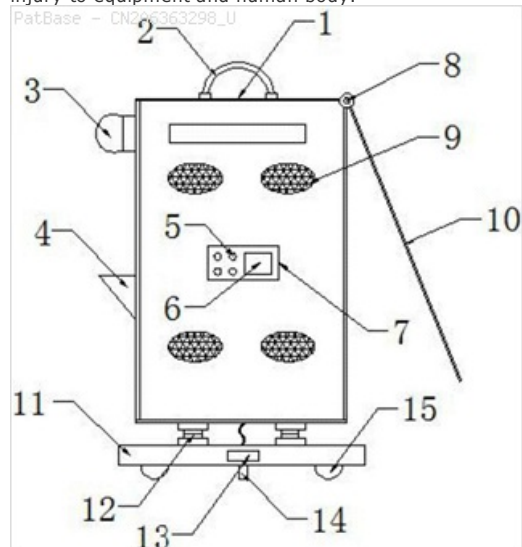
Inventor(s): (std): SUN YUE

**29) Family number: 66494898 (CN206363298U)**

**Title:** COMPUTER ANTICREEPER

**Abstract:**

Source: CN206363298U The utility model discloses a **computer** anticreeper, including the main part, the case lid, the base, host **computer** organism and **support** backing plate, the main part is connected with the base through its bottom fixed mounting's **telescopic** bracket, the main part has the case lid through the **hinge** movable mounting of a side end, it has a plurality of heat dissipation air outlets to distribute on the main part side end face, bottom fixed mounting has the **support** backing plate in the main part, it is connected through the wire connection that contacts to earth of elastic connection wire with the embedding base to **support** the backing plate, comprising a main body, the pulling slider and the wire connection fixed connection that contacts to earth, a pedestal, a host **computer** organism side end face in close contact with has the conductive contact, the conductive contact passes through buffer spring and is connected with the outside control panel of main part, and be equipped with operating button and current detector on the control panel, main part one end fixed mounting has the siren, the utility model discloses compact structure, convenient to use has effectively avoided the host **computer** electric leakage to result in leading to the fact the injury to equipment and human body.



**International class (IPC 8-9):** G06F1/20 G06F11/30 G06F11/32 (Advanced/Invention)

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN206363298 U      | 20170728  | CN201720047128U    | 20170116  |

**Priority:** CN201720047128U 20170116;

**Assignee(s):** (std): CHIZHOU VOCATIONAL AND TECHNICAL COLLEGE

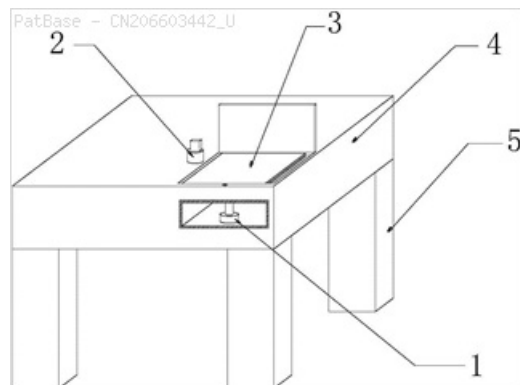
**Inventor(s):** (std): YU YI

**30) Family number: 67395322 (CN206603442U)**

**Title:** A computer-based multi-user network across the job coordination device (Machine translation)

**Abstract:**

Source: CN206603442U The utility model provides a **computer**-based multi-user network across the job coordination device, including **computer** body, desktop, **telescopic** rod, electric hydraulic cylinders, the shielding plate, placing groove, the base, the **support** table, MOTHBALLS and **computer** cooling fan, the lower end of the **telescopic** rod through the lower end of the placing groove electric hydraulic cylinders are connected, the shielding plate by a **hinge** connected to the upper end surface and the placing groove design to solve the original art **computer** when idle, easy to be criminals not shielded equipment remote control, allow enterprises to suffer unnecessary loss problems, **support** platform mounted on the base, the upper end of mothballs inside the **support** base assembly, **computer** cooling fan mounted in the **computer** main body inner left end face, which can be designed so that the air becomes clean, to solve the prior art **computers** can not purify the air, and can not Staff will bring a pleasant environment issues, the utility model easy to use, easy to store, clean air, practical.



**International class (IPC 8-9):** A47B21/007 A47B91/00 G06F1/18 G06F1/20 (Advanced/Invention)

**Family:**

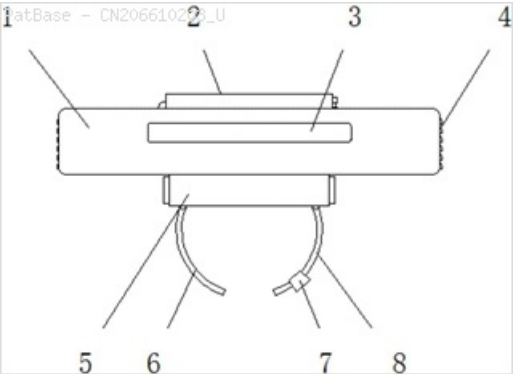
| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN206603442 U      | 20171103  | CN201621286742U    | 20161128  |

**Priority:** CN201621286742U 20161128;

**Assignee(s):** (std): SUQIAN COLLEGE

31) Family number: 67396438 (CN206610203U)  
Title: A small volume of wearable computer housing (Machine translation)  
Abstract:

Source: CN206610203U The utility model discloses a small volume wearable computer housing, including protective shell, worn seat, with a first strap and a second strap, said protective case over the middle position of the hinge with a transparent shield, the transparent shield is mounted at one end away from the hinge end with protective shell, the protective shell of the mating lock buckle ends are provided with a ventilation window, the interior of the protective casing are mounted at both ends of the fan, and the fan is mounted on top of the inner side of the protective shell, the protective shell of the inner side of the support plate are mounted with electric telescopic rod, electric retractable rod Jieyou output terminal mounted mat, the bottom ends of the protective casing are mounted fixed electric pressure cylinder. The utility model adopts the wristband-type wearable fashion, by first band and second band will be worn on the wrist, the computer housing by the first and second limiting holes on the wristband wristband deduction limit, adjust the strap, making the computer chassis can be suitable for different people use.



International class (IPC 8-9): G06F1/16 (Advanced/Invention)  
Family:

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN206610203 U      | 20171103  | CN201720244932U    | 20170314  |

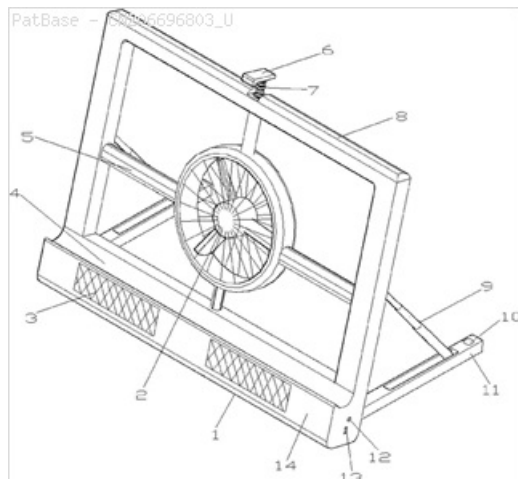
Priority: CN201720244932U 20170314;

**32) Family number: 67695104 (CN206696803U)**

**Title:** A portable folding flat panel computer stand (Machine translation)

**Abstract:**

Source: CN206696803U The utility model discloses a portable collapsible tablet **computer** stand, including the cooling fans, audio speakers and a cradle hidden groove; The bottom of the bracket body is provided with a base; The base front wall is fitted provided with audio speakers; The base right side wall is provided with a charging port and audio input port; Said base upper end opened a placement recess; The base side provided with a placement frame connected; The placing frame intermediate position is provided with a cooling fan, and the cooling fan by the fixed pillar is fixed to the placement of the frame middle position; Place the frame upper end is provided with a clamping device clamping device, and the lower end is provided with a clamp spring; Said **support** seat upper end opened a recess, and the recess provided which **hinge** is fixed **telescopic** adjustment **support** bar; The **support** bearing fitted on the side wall is provided with two adsorption magnet. The portable foldable tablet **computer** stand with a cooling fan, is conducive to help tablet effective heat dissipation, prevent excessive heat, resulting in damage to the machine.



**International class (IPC 8-9):** F16M11/38 G06F1/20 (Advanced/Invention)

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN206696803 U      | 20171201  | CN201720477667U    | 20170502  |

**Priority:** CN201720477667U 20170502;

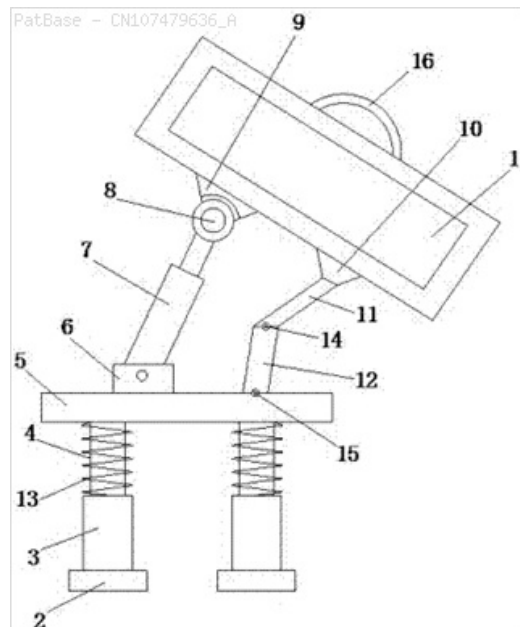
**Assignee(s):** (std): GUIZHOU UNIV

**33) Family number: 67858320 (CN107479636A)**

**Title:** An intelligent lighting display (Machine translation)

**Abstract:**

Source: CN107479636A The present invention discloses an intelligent lighting **displays**, including lighting **display** body, multi-block **support** plate, the **support** plate, the bottom end of each block fixedly mounted on a large sleeve, in the large sleeve slidably mounted on the upper end of the small sleeve, small sleeve mounted **support** plate, the **support** plate mounted on the upper end of the holder, the holder is mounted on movable **telescopic** adjustment, **telescopic** adjustment **hinge** connected to one end of the ball on the spherical **hinge** mounted on movable ball **hinge** frame, the side end of the lighting **display** body is mounted on the spherical **hinge** frame; In the lighting **display** body side end mounted holder body, the holder body, one end fixedly connected with the first link, the first link and the second link activities connected to the other end of the second link movably mounted on the **support** plate. By provided with a large sleeves and a small sleeve, big sleeves, small sleeve on the slide, so as to be able to adjust the height of the **support** plate, by setting with **telescopic** regulator, it is possible to adjust the angle of the lighting **display** body.



**International class (IPC 8-9):** F16M11/04 F16M11/18 F16M11/32 G06F1/16 (Advanced/Invention)

**CPC:** G06F1/1607 F16M11/043 F16M11/18

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN107479636 A      | 20171215  | CN201710759654     | 20170830  |

**Priority:** CN201710759654 20170830;

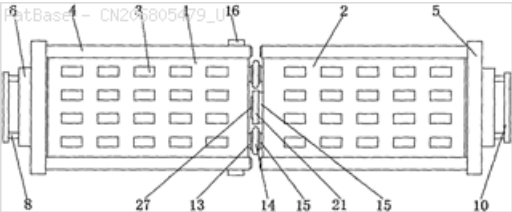
**Assignee(s):** (std): HEBEI UNIV OF ENGINEERING

34) Family number: 67999081 (CN206805479U)

Title: A portable computer keyboard combination (Machine translation)

Abstract:

Source: CN206805479U The utility model discloses a portable computer keyboard combination, relates to the field of computer technology. The modular portable computer keyboard, comprising a first support plate and second support plate, said first support plate located on the left side of the second support plate. The portable computer keyboard combination, through the first support plate, a second support plate, hinge, fixed block, rod and telescopic rod set, so that the keyboard is in use of the process can be a first support plate and second support plate, and then the hinge open retracted into the inside of the first support plate so as not to affect the people to use, but also can be a good card seat and support spring fixing plate, in carrying the process, as long as the folded first support plate and second support plate, which effectively reduces the length of the keyboard, and easy for people to use, so that people can carry a keyboard process more convenient and improve the quality of life.



International class (IPC 8-9): G06F3/02 (Advanced/Invention)

Family:

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN206805479 U      | 20171226  | CN201720542997U    | 20170508  |

Priority: CN201720542997U 20170508;

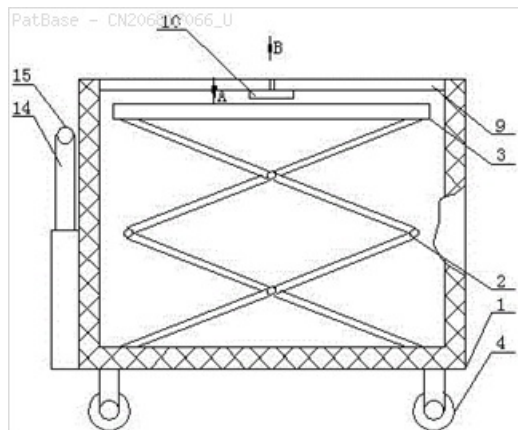
Assignee(s): JIANGSU FOOD AND DRUG VOCATIONAL AND TECHNICAL COLLEGE

**35) Family number: 68039578 (CN206817066U)**

**Title:** An electrical equipment computer stand (Machine translation)

**Abstract:**

Source: CN206817066U An electrical equipment **computer** stand, including the box, the box the bottom surface of the upper housing opening, the four corners are fixed mounted roller, the roller is universal wheel with a brake device, the bottom surface of the inner wall of the housing is fixedly connected to the lower end of the scissors mechanism scissor mechanism is fixedly connected to the upper end of the bottom surface of the **support** plate, the **support** plate a top surface open rectangular grooves, rectangular grooves, rectangular grooves on both sides of the **display** device can be placed, respectively, is fixedly connected a number of spring at one end, the other end of the spring are fixedly connected to a side surface of the rectangular groove, the bottom surface of the push plate to open a number of cooling holes; Housing top sides of one end of the **hinge** connecting the door cabinet interior front and rear sides are fixed mounted clamping block, box side of the fixed mounted two mutually parallel **telescopic** rod, **telescopic** rod horizontally fixedly mounted with a handle. The present utility model the user can according to their own case, by adjusting the scissors mechanism to adjust the height of the **support** plate, so that the user obtain a higher comfort of use.



**International class (IPC 8-9):** F16M11/04 F16M11/38 G06F1/20 (Advanced/Invention)

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN206817066 U      | 20171229  | CN201720585275U    | 20170524  |

**Priority:** CN201720585275U 20170524;

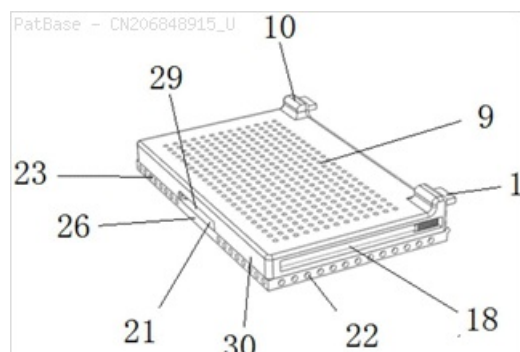
**Assignee(s):** (std): CHONGQING IND POLYTECHNIC COLLEGE

**36) Family number: 68108574 (CN206848915U)**

**Title:** A portable computer auxiliary cooling device (Machine translation)

### Abstract:

Source: CN206848915U The utility model discloses a portable **computer** auxiliary cooling device, characterized in that: Includes a bellows, the bellows seats, seat, **telescopic support** frame, the **support** frame to **support** the hose and PC **computers** lamp body; The bellows base for the middle of the hollow rectangular frame structure, the bellows seats and the rear side wall left side wall uniformly provided with a plurality of ventilation holes; The bellows upper surface uniformly provided with a plurality of air holes, two suction outlet provided in the bellows, the bellows provided in the wind above the lower surface of the seat, and the front end of the bottom of the bellows and the bellows base upper portion of the front end of the damper **hinge** connection; The utility model has the structure, reliable, in the realization of conventional portable **computer** heat problem also has lighting and converted into ordinary fan function.



**International class (IPC 8-9):** G06F1/20 (Advanced/Invention)

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN206848915 U      | 20180105  | CN201720465867U    | 20170428  |

**Priority:** CN201720465867U 20170428;

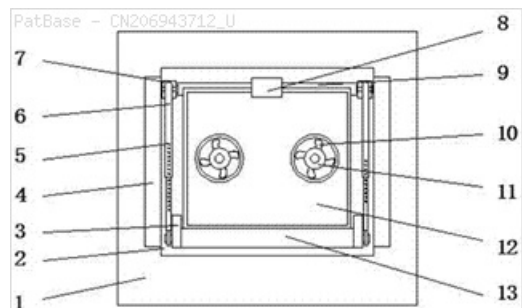
**Assignee(s):** PRESCHOOL SHAANXI NORMAL UNIV

**37) Family number: 68390024 (CN206943712U)**

**Title:** A vehicle-mounted mobile computer stand (Machine translation)

**Abstract:**

Source: CN206943712U The utility model discloses a car can be mobile **computer** stand, including the seat back, slide, cooling fan, heat sink, and a breathable cushion, said seat back by two rails mounted to the mounting plate, the mounting plate through the bottom of the front of the central position of the second rotating means mounted on the **support** plate and the **support** plate are mounted on both sides of the rotatable **support** base, the heat conductivity of said heatsink plate is installed inside the cooling fan motor, position the top of the heat radiating plate is provided with breathable cushion, said **support** plate away from the second end of the rotary device is mounted inside of the fixed buckle, and between the first mounting plate, the rotating device provided with a fixed snap-fit using damping strip. The utility model is installed in the back of the front seat, the rear to facilitate personnel use, set the **telescopic** rod and **hinge** mounted rotatable **support** plate easier for people to adjust according to demand and improve the flexibility of the stent stent inclination, to facilitate the promotion of the use.



**International class (IPC 8-9):** B60R11/02 F16F15/04 F16M11/04 G06F1/20 (Advanced/Invention)

**Family:**

| Publication number | Pub. date | Application number | App. date |
|--------------------|-----------|--------------------|-----------|
| CN206943712 U      | 20180130  | CN201720422759U    | 20170421  |

**Priority:** CN201720422759U 20170421;

**Assignee(s):** WUHU CHANGTAI NETWORK TECHNOLOGY CO LTD