

Title (en)  
ARM APPARATUS FOR MOUNTING ELECTRONIC DEVICES

Title (de)  
ARMVORRICHTUNG ZUM MONTIEREN VON ELEKTRONISCHEN BAUELEMENTEN

Title (fr)  
APPAREIL A BRAS PERMETTANT DE MONTER DES DISPOSITIFS ELECTRONIQUES

Publication  
**EP 1337726 A4 20060823 (EN)**

Application  
**EP 00930486 A 20000510**

Priority

- US 0012594 W 20000510
- US 13337899 P 19990510
- US 13812099 P 19990607
- US 40600699 A 19990924
- US 40562899 A 19990924
- US 19126600 P 20000322

Abstract (en)  
[origin: WO0073027A2] An extension arm (100) suitable for mounting a flat-screen electronic peripheral device, such as a computer monitor or television, comprises a forearm extension (110) that has at one end a first coupling for attachment to a tilter, a platform or other means for supporting a flat-screen device and at the other end a second coupling with a slot formed therein. The extension arm (100) also comprises a pair of endcaps (102, 108) each having a shaft. The shaft of the first endcap (102) is pivotably rotatable in a support mount, such as a wall, desk or pole mount. The shaft of the second endcap (108) is hollow and is pivotably rotatable in the second coupling of the forearm extension (110). The extension arm (100) also comprises an upper channel (104) and a lower channel (106). Each channel has at opposite ends integrally cast rollers which are pivotably attached to each of the endcaps (102, 108). The lower channel (106) has a cable channel formed therein. The upper and lower channels (104, 106) and the endcaps (102, 108) form an adjustable parallelogram. The shape of the parallelogram is retained by a gas spring (122), which is attached at a first end to a ball stud mounted in the upper channel (104) and adjustably mounted at a second end to the first endcap (102). A clevis (120) is located within the first endcap (102) and is pivotably attached to the second end of the gas spring (122). A threaded rod (124) threadably engages the clevis (120), such that the clevis (120) slides within the first endcap (102) when the threaded rod (124) rotates around its axial centerline. A cable from the flat-screen device can be hidden from view by being disposed within the forearm extension (110), the second endcap (108), and the lower channel (106) of the extension arm (100).

IPC 1-7  
**E04G 3/00; F16M 11/04**

IPC 8 full level  
**B25J 9/06** (2006.01); **F16M 11/04** (2006.01); **G06F 1/16** (2006.01); **H04N 5/64** (2006.01)

CPC (source: EP)  
**F16M 11/2014** (2013.01); **F16M 11/2092** (2013.01); **F16M 11/24** (2013.01); **A47B 2200/0088** (2013.01); **F16M 2200/044** (2013.01); **F16M 2200/063** (2013.01); **F16M 2200/065** (2013.01)

Citation (search report)

- [XA] US 5123621 A 19920623 - GATES JEFFREY L [US]
- [A] GB 2294632 A 19960508 - COLEBROOK BOSSON SAUNDERS PROD [GB]
- [A] EP 0508178 A1 19921014 - ROSE ELEKTROTECH GMBH [DE]
- [A] US 4166602 A 19790904 - GABEL RICHARD A [US], et al
- [A] US 5799917 A 19980901 - LI CHIN-CHU [TW]
- [A] US 4158488 A 19790619 - GOTTSCHALK ROBERT E, et al
- [AX] US 1551332 A 19250825
- [A] US 3072374 A 19630108 - MARCUS BODIAN
- [X] DE 9419315 U1 19950309 - GEISLER UDO M PROF [DE]
- [A] DE 19736006 A1 19990304 - HOPMANN GERO DIPL ING [DE]
- See references of WO 0073027A2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 0073027 A2 20001207; WO 0073027 A3 20030612; WO 0073027 A9 20020502;** AU 2003259610 A1 20031120;  
AU 2003259610 B2 20060223; AU 2003259611 A1 20031120; AU 2003259611 B2 20050908; AU 4829800 A 20001218;  
AU 764114 B2 20030807; CA 2373199 A1 20001207; CA 2373199 C 20061024; EP 1337726 A2 20030827; EP 1337726 A4 20060823;  
EP 2264350 A1 20101222; EP 2264350 A8 20110309; EP 2264351 A1 20101222; EP 2264351 A8 20110309; EP 2264352 A1 20101222;  
EP 2264352 A8 20110309; EP 2267352 A1 20101229; EP 2267352 A8 20110309

DOCDB simple family (application)  
**US 0012594 W 20000510;** AU 2003259610 A 20031031; AU 2003259611 A 20031031; AU 4829800 A 20000510; CA 2373199 A 20000510;  
EP 00930486 A 20000510; EP 10010720 A 20000510; EP 10010721 A 20000510; EP 10010722 A 20000510; EP 10010723 A 20000510