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

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Application

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Priority

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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) threadedly 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).

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E04G 3/00

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