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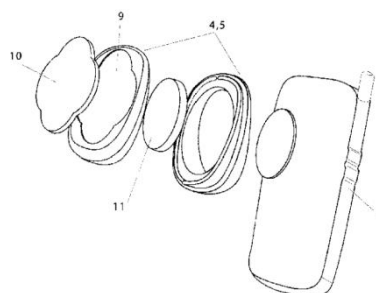
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reproductions)**2 901 085**(21) **National registration No.:****06 04618**(51) **Int. Cl.⁸:** H 04 M 1/11 (2006.01), H 04 M 1/725, B 60 R
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INVENTION PATENT APPLICATION**A1**(22) **Filing date:** 12.05.06.(30) **Priority:**(43) **Date of publication of the application:** 16.11.07
Bulletin 07/46.(56) **List of documents cited in the preliminary
search report:** *This report had not been drawn up
on the date of publication of the application.*(60) **References to other related national documents:**(71) **Applicant(s):** CURTI JEAN — FR.(72) **Inventor(s):** CURTI JEAN.(73) **Proprietor(s):**(74) **Representative(s):**(54) **TEMPORARY SUPPORT ASSEMBLY FOR A DEVICE, IN PARTICULAR A MOBILE TELEPHONE, ON ANY
RECEIVING SURFACE, IN PARTICULAR A SUBSTANTIALLY VERTICAL SURFACE, SUCH AS THE
DASHBOARD OF A VEHICLE.**(57) The invention relates to a temporary support
assembly for a device, in particular a mobile telephone, on
any receiving surface, in particular a substantially vertical
surface, such as the dashboard of a vehicle.

The assembly according to the invention is
characterized in that it comprises a housing (1) containing
a magnet (11), a double-sided adhesive piece (10)
dimensioned so as to permit it to be adhered by one face
to a face of said housing (1) and by the other face to said
receiving surface, the assembly further comprising a steel
pad (3) one face of which is adhesive so as to permit the
pad to be adhered to the device (2).



FR 2 901 085 - A1



Technical Field

The present invention relates to a temporary support assembly for a device, in particular a mobile telephone, on any receiving surface, in particular a substantially vertical surface, such as the dashboard of a vehicle.

5 Background Art

The mounting of a device such as a mobile telephone in a vehicle is generally achieved by means of a support fixed to the dashboard or in its vicinity. Such mounting is relatively costly and complicated, insofar as it requires drilled holes, which, moreover, leave the vehicle damaged after the support has been removed. Furthermore, these known support devices
10 are generally adapted to one particular device or one particular family of devices.

Summary of Invention

The present invention accordingly aims to overcome the drawbacks of known support devices by means of a novel temporary support assembly which requires no drilling, which is adapted to a large number of devices, in particular to all mobile telephones, the cost price and
15 installation cost of which are extremely advantageous, and which permits removal without damaging its support while ensuring secure retention of the device.

To this end, the support assembly according to the invention is characterized in that it comprises a housing containing a magnet, a double-sided adhesive piece dimensioned so as to permit it to be adhered by one face to a face of the housing and to be adhered by the
20 other face to the receiving surface, the assembly further comprising a steel pad one face of which is adhesive so as to permit it to be adhered to the device.

The assembly according to the invention is easy to mount, the housing being adhered to the receiving surface by adhering the free face of the adhesive piece, and the pad being adhered to the device by adhering its adhesive face thereto. The device can then be retained on the
25 housing by positioning the pad against the free face of the housing, facing the magnet contained in the housing. To remove the device, it suffices to pull on it with a force greater than the attractive force of the magnet.

In a preferred embodiment, the face of the housing opposite the adhesive piece is provided with a recess, for example in the form of a cross, arranged to promote the positioning and abutment of the pad adhered to the device. It is advantageous in this case to provide that the faces of the housing form between them an acute angle of less than 30 degrees, such that the housing can always be positioned on the receiving surface such that gravity retains the device by abutment of the pad against the bottom of a recess.

Advantageously, the face of the housing receiving the adhesive piece is provided with a recess, and the adhesive piece is shaped to be housed inside the recess while projecting above the housing.

The invention provides, in a simple and economical embodiment, that the housing is made up of two half-shells of synthetic material, advantageously identical, which can be fitted or snap-fitted one into the other at their periphery. Advantageously, the two half-shells define between them a peripheral groove that is at least partial for retaining a cable such as a power supply cable and/or an earphone cord.

The invention will be readily understood from the following description of a preferred embodiment with reference to the accompanying drawing, in which:

Figure 1 is a schematic exploded perspective view with a mobile telephone to be supported;

Figures 2 to 6 are views of the housing;

Figure 7 is a schematic perspective view of the housing;

Figures 8 and 9 schematically illustrate the placement of the device on the housing;

Figure 10 is a sectional diagram illustrating the optimal positioning of the mobile telephone on an inclined receiving surface; and

Figures 11 to 14 are similar to Figure 10, for various receiving surfaces.

Description of Embodiments

The assembly according to the invention comprises a housing 1 (Figures 2 and 7) arranged so that it can be fixed to a surface (not shown) and support a device, such as a mobile telephone 2, bearing a steel pad 3 secured thereto by an adhesive face of the pad.

The housing 1 is made up of two half-shells 4 and 5 of synthetic material, of rounded outer shape so as to avoid injury. In the present example, the half-shells 4 and 5 are identical, which reduces cost, and can be fixed to one another by a system of grooves 6 (see Figure 5, which is a section along line C-C of Figure 3) and tabs 7 (see Figure 4, which is a sectional view along line D-D of Figure 3), thereby defining a peripheral groove 8 that is at least partial. The outer face of each of the half-shells 4 and 5 is provided with a recess 9 in the form of a cross.

The assembly of the invention further comprises a double-sided adhesive piece 10 cut in the form of a cross so as to be housed in the recess 9 of one of the half-shells 4, 5, but having a thickness greater than the depth of the recess 9 so as to project above the housing 1 once adhered by one of its faces. The assembly finally comprises a miniature permanent magnet 11 housed inside the housing 1 after assembly of the half-shells 4 and 5.

The outer faces of the half-shells 4 and 5 of the housing 1 form between them an acute angle α (Figures 2 and 10 to 14) which promotes retention of the telephone device. As shown schematically in Figures 7 and 10, the housing 1 is adhered to the receiving surface S (Figure 10) in the angular position appropriate to the shape of that surface. The telephone 2, provided on its rear face with the steel pad 3, is then mounted on the housing 1 by placing the pad 3 in the recess 9 of the free face of the housing 1. The telephone 2 is retained in place by the action of the magnet 11 on the steel pad 3, with a force corresponding to the strength chosen for the magnet 11, and can be removed by a pulling force greater than the retaining force. Retention is facilitated and ensured by the cooperation of the pad 3 with the recess 9, the position of the housing 1 having been chosen such that the resultant of the magnetic attraction of the magnet 11 and of gravity is directed downward (see Figures 10 to 14). Consequently, the positioning and fixing of the telephone device are optimized to withstand shocks, accelerations and decelerations that may occur. A cable 12, for example a cable of an earphone 13, can be housed in the groove 8 of the housing 1.

Claims

1. A temporary support assembly for a device, in particular a mobile telephone, on any receiving surface, in particular a substantially vertical surface, such as the dashboard of a vehicle, characterized in that it comprises a housing (1) containing a magnet (11), a double-sided adhesive piece (10) dimensioned so as to permit it to be adhered by one face to a face of said housing (1) and by the other face to said receiving surface, the assembly further comprising a steel pad (3) one face of which is adhesive so as to permit the pad to be adhered to the device (2).

2. The assembly according to claim 1, characterized in that the face of the housing (1) opposite the adhesive piece (10) is provided with a recess (9), for example in the form of a cross, arranged to promote the positioning and abutment of the pad (3) adhered to the device.

3. The assembly according to claim 1 or 2, characterized in that the faces of the housing (1) form between them an acute angle (α) of less than 30 degrees.

4. The assembly according to any one of claims 1 to 3, characterized in that the face of the housing (1) receiving the adhesive piece (10) is provided with a recess (9), and the adhesive piece (10) is shaped to be housed inside said recess (9) while projecting above the housing (1).

5. The assembly according to any one of claims 1 to 4, characterized in that the housing (1) is made up of two half-shells (4, 5) of synthetic material which can be fitted or snap-fitted one into the other at their periphery.

6. The assembly according to claim 5, characterized in that the two half-shells (4, 5) are identical.

7. The assembly according to claim 5 or 6, characterized in that the two half-shells (4, 5) define between them a peripheral groove (8) that is at least partial.

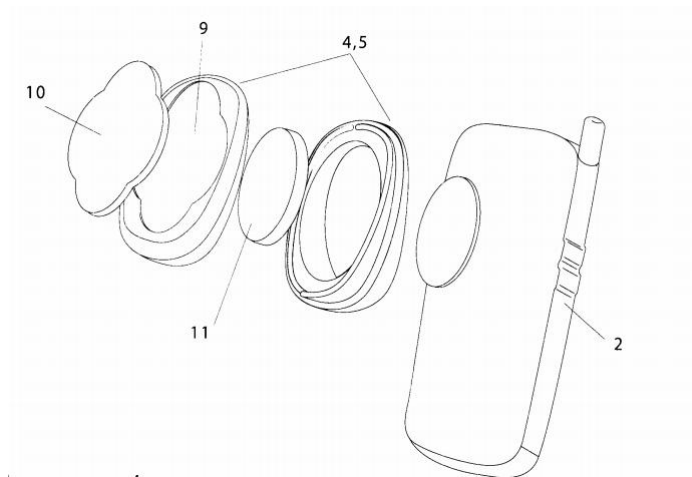


FIG. 1

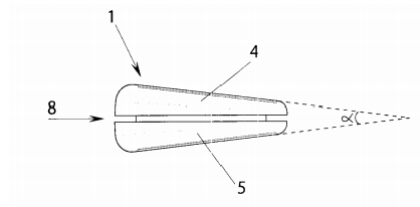


FIG. 2

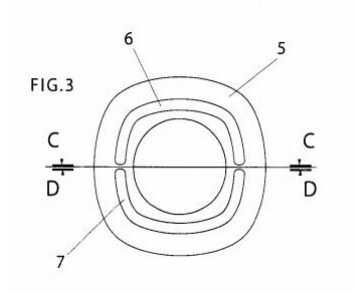


FIG. 3

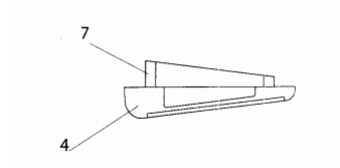


FIG. 4

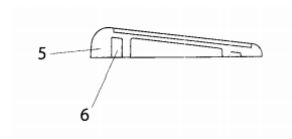


FIG. 5

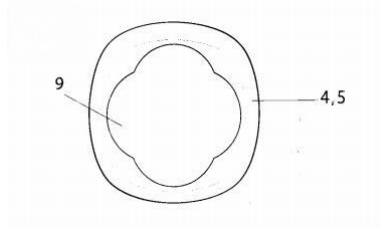


FIG. 6

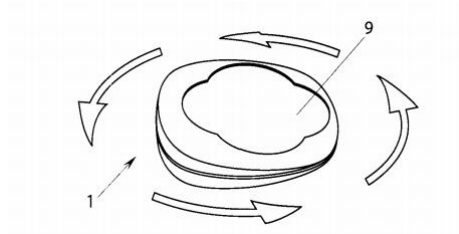


FIG. 7

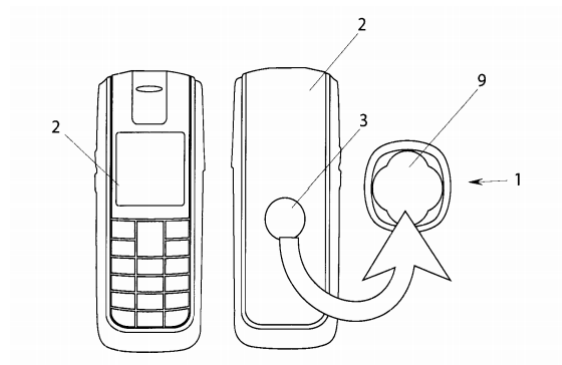


FIG. 8

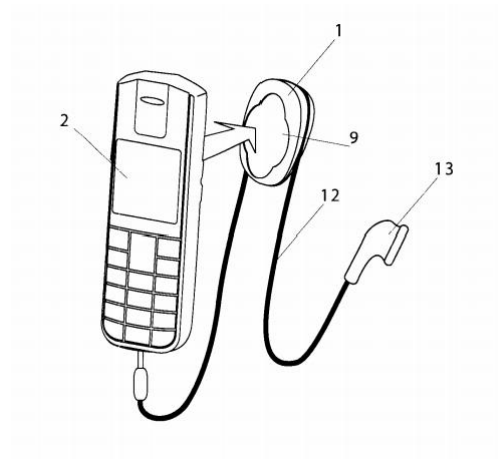


FIG. 9

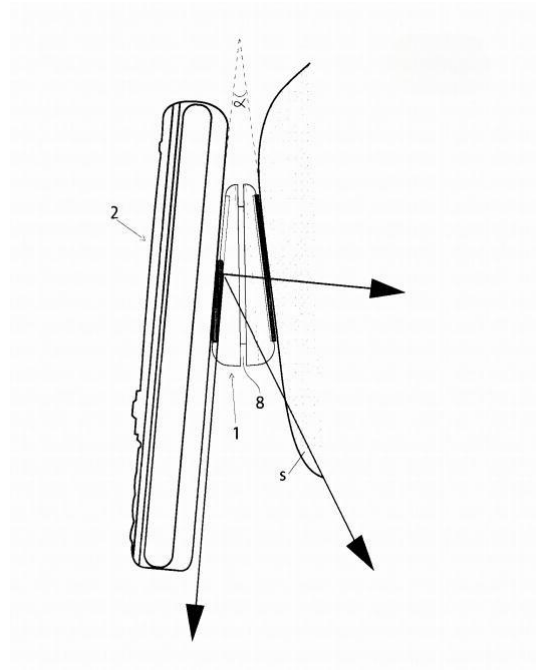


FIG. 10

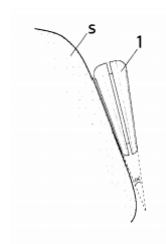


FIG. 11

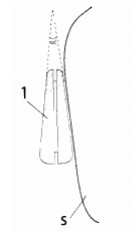


FIG. 12

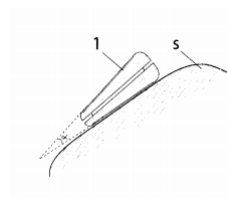


FIG. 13

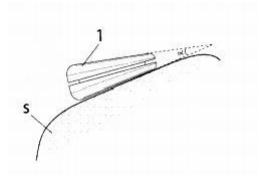


FIG. 14