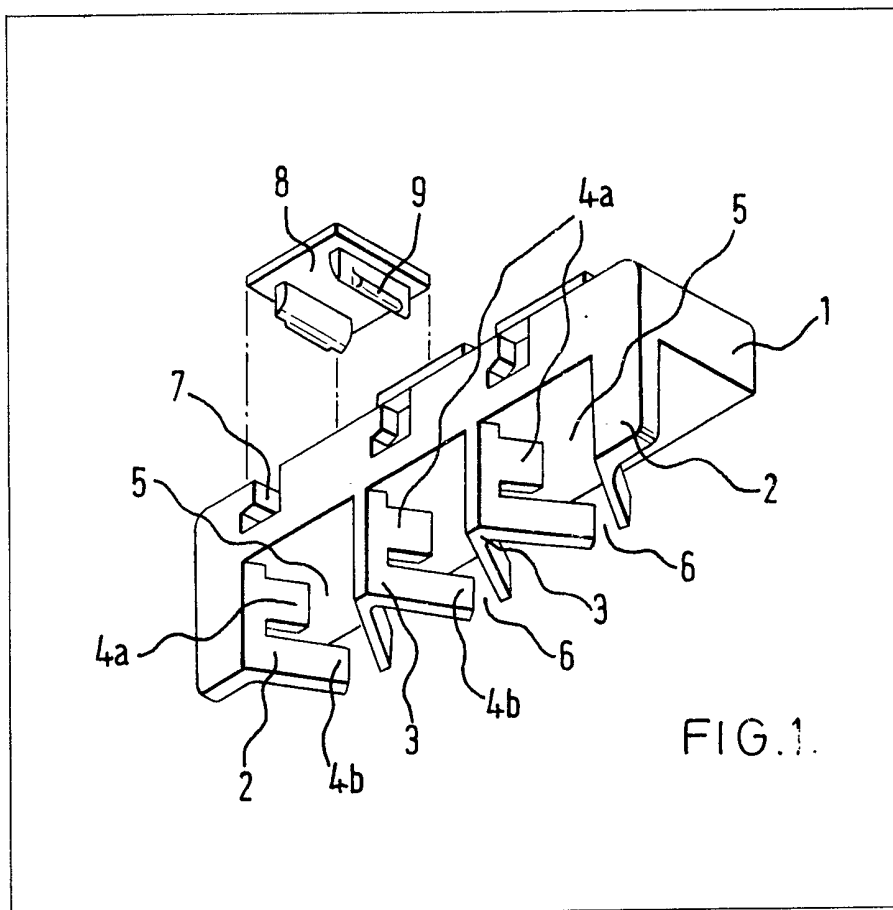


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(54) Guiding and marking member for electrical cables

(57) A guiding and marking member for electric cables has a plurality of resiliently deformable wings 2, 3 on one side of a support plate 1 and their ends 4a, 4b converge in V configuration to define a cable holder 5 adjacent to the plate and an insertion slit 6 spaced from the plate which merges into the cable holder 5. The cable holder wing ends 4a lightly grip the inserted cable. On its other side the support plate 1 has latching receptacles 7 into which are detachably latched marking plates 8.



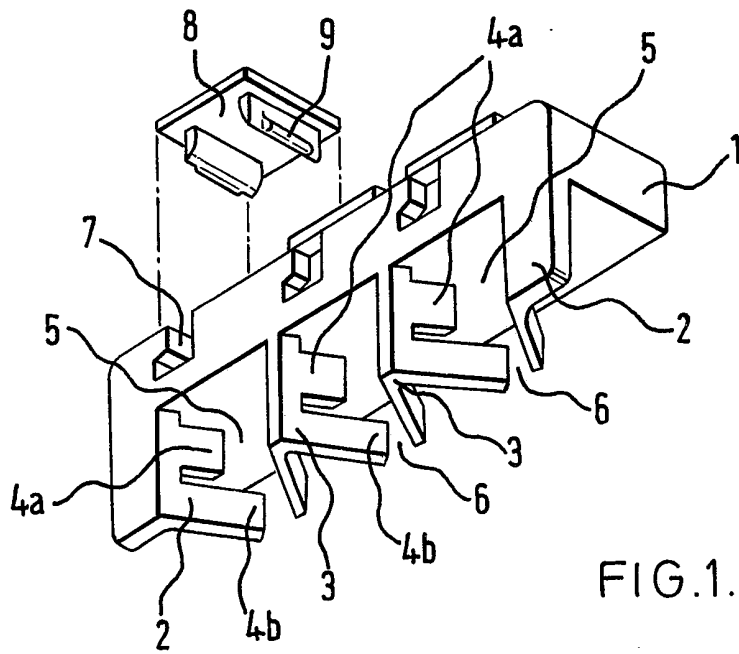


FIG. 1.

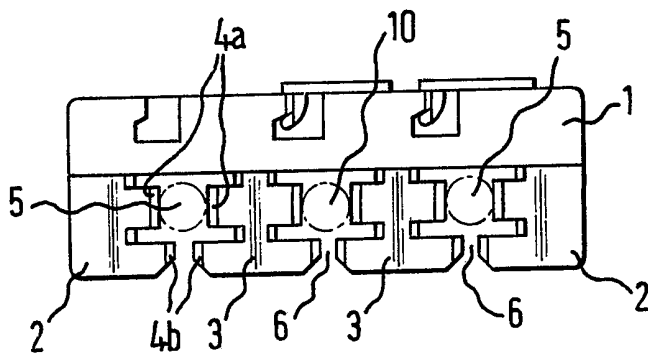


FIG. 2.

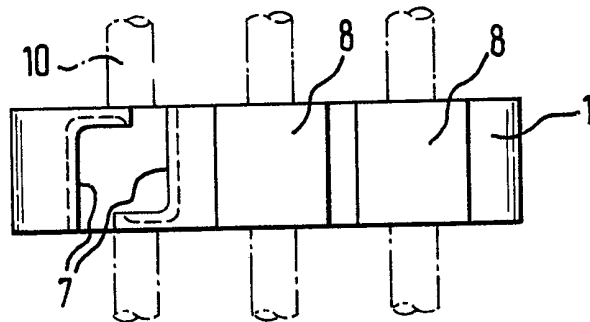


FIG. 3.

SPECIFICATION

Guiding and marking member for electrical cables

5 This invention relates to a guiding and marking member for electrical cables.

Guiding and marking members of this kind are provided for the ordered combination and marking of electrical cables, more particularly in wiring systems. Known guiding and marking members comprise two substantially identical profiled strips which can be latched to each other, each being of bridge-like form having semi-cylindrical recesses in such a way that after being latched to each other the strips form cylindrical adjacent holders for fastening cables side by side; the outer side of at least one of the strips is provided with markings, for example numberings, to designate the individual cables.

If individual cables have to be removed from such a guiding and marking member in the course of modification of the wiring system, it will in general be necessary for the two strips to be unlatched because the plugs, terminations and the like normally provided at the cable ends cannot be pulled through the holders formed by the interlatched strips, so that substantially all the cables are exposed, more particularly when removing cables situated in the middle region, and the cables can therefore drop out from the remaining strip so that it is necessary to restore the cables to their orderly arrangement when the strips are again latched to each other, which is very inconvenient.

Furthermore, to ensure that the two strips can be reliably and simply latched to each other, the cables are disposed in their holders with some clearance. This can result in the guiding and marking member sliding along the cables from its initial accessible and visible position into an inaccessible and invisible position, in which the cable markings can no longer be recognized, more particularly if the place of use is subject to vibration.

It is the object of the present invention to provide a guiding and marking member for electric cables in which individual cables can be removed in the simplest possible manner without impairing the guiding of the other cables.

According to one aspect of the invention there is provided a guiding and marking member for electric cables, having a support plate and a plurality of resiliently deformable wings disposed on the support plate which wings have ends which converge in V configuration and define a cable holder and on the side distal from the support plate define a cable-insertion slit which merges into the cable holder.

With this construction it is possible for cables to be inserted individually and independently of each other through the slit between the two wings into the defined conductor holder while the wing material is resiliently deformed, and, if necessary, such cable can also be removed from that position without disturbing the remaining cables. The cable holder is conveniently dimensioned so that the conveying wing ends secure the inserted cable. Given suitable dimensioning, the converging wing ends will have a slight resilient grip on the conductor. The grip in

each individual cable holder can be slight because the totality of the gripping actions in all the cable holders leads to a very reliable positional location of the guiding and marking member on the cables, so that the said guiding and marking member is not displaced from its intended position even if the system is subject to vibrational stresses. The markings therefore remain readily visible at all times.

One embodiment of the invention will be described hereinbelow with reference to the accompanying drawing in which:

Figure 1 is a perspective view of a cable guiding and marking member according to the invention; *Figure 2* shows the guiding and marking member according to *Figure 1* in side view; and

Figure 3 shows the guiding and marking member according to *Figure 1* in plan view.

The illustrated guiding and marking member for electric cables 10 comprises an elongate support plate 1 of moulded plastics material the underside of which is provided with a plurality of resiliently deformable wings 2 and 3.

Each wing comprises a post 12 or 13 integral with the plate 1 and projecting perpendicular to the lower face 14 of the plate at one of the longer sides of the latter. Each post has one or two pairs of projecting ends 4a, 4b; the wings 2 at the ends of the plate have one such pair whereas each intermediate wing 3 has two such pairs diverging from the post. The projecting ends of adjacent posts converge, towards their free tips, in V configuration. The projecting wing ends 4a nearer the plate 1 are shorter than the projecting ends 4b further from the plate and define between adjacent tips apertures 5 for holding respective cables 10. The wing ends 4b define slits 6, narrower than the cable holders 5 and merging into the latter, through which slits the cables are inserted into the holders 5, flexing the ends 4b in passing through the slits 6. The projecting ends 4a and 4b can flex independently of each other and of the plate 1.

The converging wing ends are so arranged that the dimensions of the cable holder 5 are such that the converging ends 4a have a slight clamping action on the external surface of the inserted cable and thus contribute to holding the guiding and marking member in position on the inserted cables.

The cables are inserted into the appropriate cable holders 5 by substantial resilient deformation of the wing ends 4b in the region of the insertion slit 6 and by slight deformation of the wing ends 4b in the region of the cable holder 5.

On the side opposite to the wings, forming the top of the guiding and marking member, the support plate 1 is provided with latching receptacles 7 into which marking plates 8 can be latched by means of teeth 9 on the underside in such a way that the marking plates 8 are detachably disposed in the latching receptacles 7 so that if necessary the cables can be renumbered or remarked by exchanging or resetting the marking plates 8.

CLAIMS

130 1. A guiding and marking member for electric

cables, having a support plate and a plurality of resiliently deformable wings disposed on the support plate which wings have ends which converge in V configuration and define a cable holder and on the side distal from the support plate define a cable-insertion slit which merges into the cable holder.

2. A guiding and marking member according to claim 1, in which the cable holder is provided with converging wing ends of the wings which ends are so dimensioned that the said wing ends lightly grip the inserted cable.

3. A guiding and marker member according to claim 1 or claim 2, in which on the side distal from the wings the support plate is provided with latching receptacles in which working plates can be detachably latched.

4. A guiding and marking member adapted to be clipped onto one or more electrical cables, which member comprises a support plate and a plurality of posts on the support plate and generally perpendicular to a face of the support plate, each post having at least one resilient lateral projection extending adjacent to the said face, the said projections of adjacent posts converging towards the free tips of the projections and defining between them a slit for insertion of a cable and an aperture, wider than the insertion slit and between the latter and the said face, which communicates with the slit, for holding an inserted cable.

5. A guiding and working member as claimed in claim 4 in which each post has at least one longer first projection for defining a respective slit and at least one shorter second projection between and flexible independently of the first projection and the said face for defining a respective cable-holding aperture.

6. A guiding and marking member for electrical cables, substantially as herein described with reference to the accompanying drawing.