



(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication:
25.08.2010 Bulletin 2010/34

(51) Int Cl.:
E01F 7/06 (2006.01) E01F 15/08 (2006.01)

(21) Application number: **09382311.0**

(22) Date of filing: **30.12.2009**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK SM TR**
Designated Extension States:
AL BA RS

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(30) Priority: **20.02.2009 ES 200900329 U**

(54) **Support for a dividing barricade in expressways and the like**

(57) The invention consists of a support for dividing barricades which allows easily assembling and disassembling said dividing barricade (4), allowing the assembly of other components, such as traffic signs or indicator elements held by a post. To that end, the invention is formed by a module having vertical holes (2) for receiving the corresponding posts (3) of the barricade (4) forming the barrier by plugging them in, being able to perform the

disassembly of said barricade and assembling posts (3') for indicator elements in its place, such as the aforementioned traffic signs (4'). The holes will be through holes and have a polygonal contour, like the posts, a barricade and signs (4') being able to be simultaneously included in a support as a result of the incorporation in the posts of the latter of penetration stops (5) in the posts of the barricade.

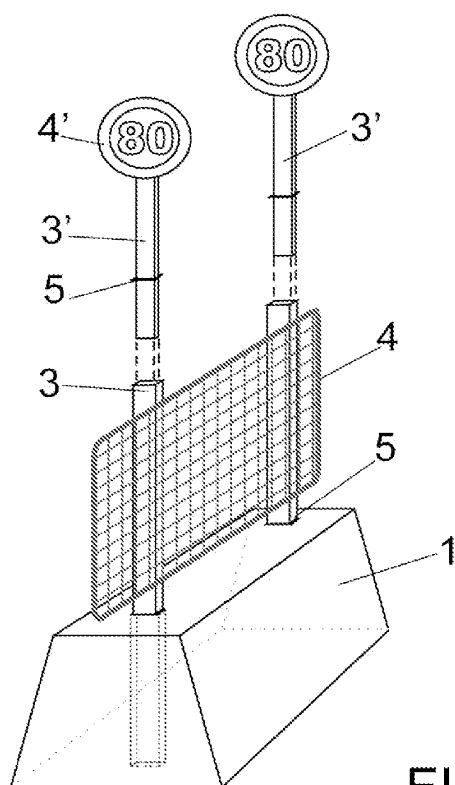


FIG. 4

Description

Object of the Invention

[0001] The present invention relates to a support for a dividing barricade in expressways and the like, the obvious purpose of which is to constitute a means for anchoring a dividing barricade or barrier used to separate the two directions of traffic in an expressway or the like.

[0002] The object of the invention is to provide a support which allows easily assembling and disassembling the barricade and even allowing the assembly of other components, such as traffic signs or indicating elements held by a post.

[0003] The invention has a special application for its installation while performing public works giving how easy it is to assemble and how fast it is to install/remove.

Background of the Invention

[0004] As is known, barriers separating the lanes corresponding to both directions are installed in expressways, freeways and the like, so that these barriers prevent the lights of vehicles traveling in one direction from shining into the vehicles traveling in the opposite direction.

[0005] This type of barrier is usually formed by a support or lower base providing firmness or stability to the assembly, and barricade or upper shield which is what actually performs the function of a visual barrier.

[0006] There are many solutions relating to making both the base or lower support and the barrier or shield per se, and in that sense there are a number of patent documents, although they all share a common denominator, which is that the barricade or upper shield and the base or lower part are non-detachably fixed, either by means of screws, by means of prolongations which are inserted in the concrete when it is poured, etc., which makes the barrier a more or less complex element when it is to be assembled, and especially making it a non-detachable element over time.

Description of the Invention

[0007] The proposed support has been designed to solve the aforementioned drawbacks because its features allow performing the assembly and disassembly of the modules forming the barricade as a whole, and thus being able to not only replace a deteriorated or broken barricade module, or replacing a barricade module for any other reason, but it allows disassembling that barricade module and assembling in its place, for example and preferably, traffic signs or any other indicating element held by a post.

[0008] More specifically, the support of the invention is **characterized in that** it has vertical holes that provide for detachably plugging therein the corresponding legs of the barricade, which obviously leads to the assembly

time being minimal, allowing easy disassembly and being able to assemble in its place indicators held by a post, such as the classic traffic signs.

[0009] The holes are through holes so as to allow the drainage of rain water, such that the maximum penetration of the legs in the barricade will be determined by stops arranged in these legs to that effect, which stops can be formed by simple thickened portions of the contour of the leg for support on the upper opening of the corresponding hole.

[0010] The holes will advantageously have a polygonal contour to prevent the rotation of the legs and therefore to keep the barricade or indicator post coupled in that hole stable.

Description of the Drawings

[0011] To complement the description made below and for the purpose of aiding to better understand the features of the invention according to a preferred practical embodiment thereof, a set of drawings is attached as an integral part of said description in which the following has been depicted with an illustrative and non-limiting character:

Figure 1 shows a perspective view of the support of the invention, specifically of a module in the situation of receiving the corresponding legs of a barricade module.

Figure 2 shows an upper plan view of the support module depicted in the previous drawing.

Figure 3 shows a perspective view like that of Figure 1, in which the barricade has been replaced with traffic signs with the corresponding stops of maximum penetration in the holes.

Figure 4 shows a practical embodiment variant in which a barricade and a pair of signs are inserted together on the module.

Figure 5 finally shows a side elevational view of the assembly of the previous figure duly assembled.

Preferred Embodiment of the Invention

[0012] As can be seen in the discussed figures, the support of the invention is formed by a module (1) which can be made of concrete or of any other suitable material which is stable and fixable on the ground by any conventional system. This support module (1), having a trapezoidal shape, as depicted in the figures, has the particularity of having holes (2) with a polygonal contour, specifically a rectangular contour in the mentioned figures, for the plug-in coupling therein of the respective legs (3) of a barricade (4) of those used in expressways medians to prevent the lights of some vehicles from shining with respect to those traveling in the opposite direction.

[0013] The holes (2) are through holes so as to allow the drainage of the rain water, such that the maximum penetration of the legs (3) will be determined by stops

(5) provided close to the upper end of such legs (3), which will act as a stop against the upper edge of the holes (2), thus forming the maximum penetration limit of the legs (3) in such holes (2) of the support (1).

[0014] As has already been mentioned throughout the present description, the corresponding barricade (4) can be easily and quickly assembled by simply plugging the legs (3) thereof in the holes (2) of the support (1), being maintained stable and allowing the disassembly thereof in order to plug in the legs or posts (3') corresponding to indicators (4'), such as traffic signs, which can be used on a provisional basis.

[0015] In other words, if in the stretch of the works, expressway, freeway or the like in which the support (1) is being implemented with its corresponding barricade (4), works are performed during a short time period, a module of this barricade (4) can be replaced and in its place the indicators or signs (4') can be assembled which, as with the assembly of the barricade (4), will be done by plugging the post or legs (3') in the holes (2), even being able to use the support (1) as a final assembly means for these indicators or elements held by a post, which, like in the case of the posts (3) of the barricade (4), will have the corresponding stop (5) for maximum penetration inside the vertical through holes (2).

[0016] Finally, and as can be observed in the detail of Figure 4, the posts (3') associated with the signs (4') or indicators could have a section that is slightly less than that of the posts (3) of the barricade (4), in order to be able to be fitted thereon through the corresponding stops (5), such that both elements can be assembled on the support.

and the like according to claim 1, **characterized in that** the holes (2) of the module (1) forming the support are through holes for the drainage of rain water.

5 4. The support for a dividing barricade in expressways and the like according to claim 1, **characterized in that** the holes (2) for the assembly of the corresponding legs of the barricade (4) by plugging them in, or in their place of the post (3') of the traffic sign (4') or indicating element, have a polygonal contour to prevent the rotation of these legs and to keep the assembly of the barricade or holding element in question stable.

10 5. The support for a dividing barricade in expressways and the like according to any of the previous claims, **characterized in that** the legs of the barricade (4), or where appropriate the post (3') as the holding element of an indicator or traffic sign (4'), have a maximum penetration stop (5) provided in an area close to the upper end of the leg or post.

Claims

1. A support for a dividing barricade in expressways and the like, made from concrete or a stable material, fixed or arranged on the ground to determine an assembly means for a dividing barricade in an expressway, freeway or the like, and the barricade of which preferably forms a barrier to prevent the lights from the vehicles traveling in one direction from shining into those traveling in the opposite direction, **characterized in that** it is formed by a module having vertical holes (2) for receiving the corresponding posts (3) of the barricade (4) forming the barrier by plugging them in, being able to perform the disassembly of said barricade and assembling posts (3') for indicator elements, such as traffic signs (4'), assembled in its place.
2. The support for a dividing barricade in expressways and the like according to claim 1, **characterized in that** the module (1) forming the support has a trapezoidal shape.
3. The support for a dividing barricade in expressways

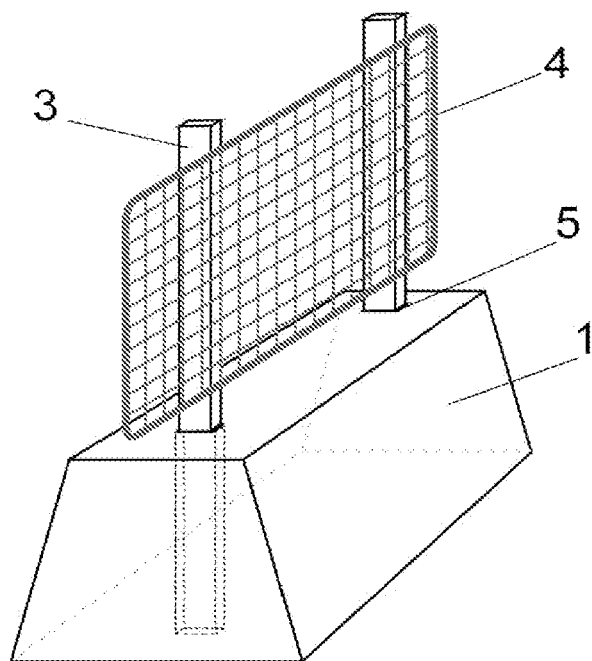


FIG. 1

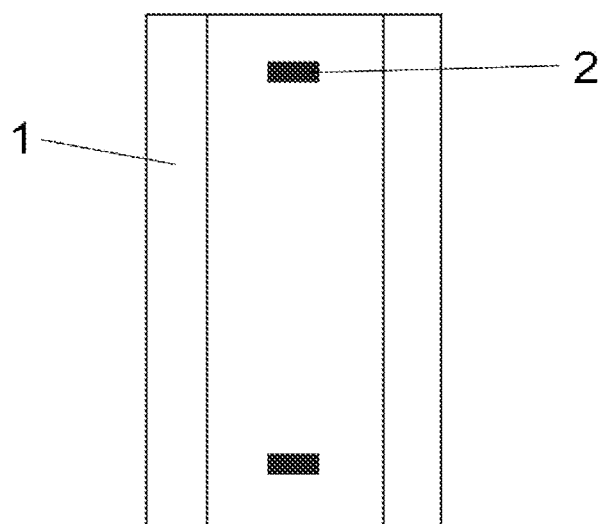
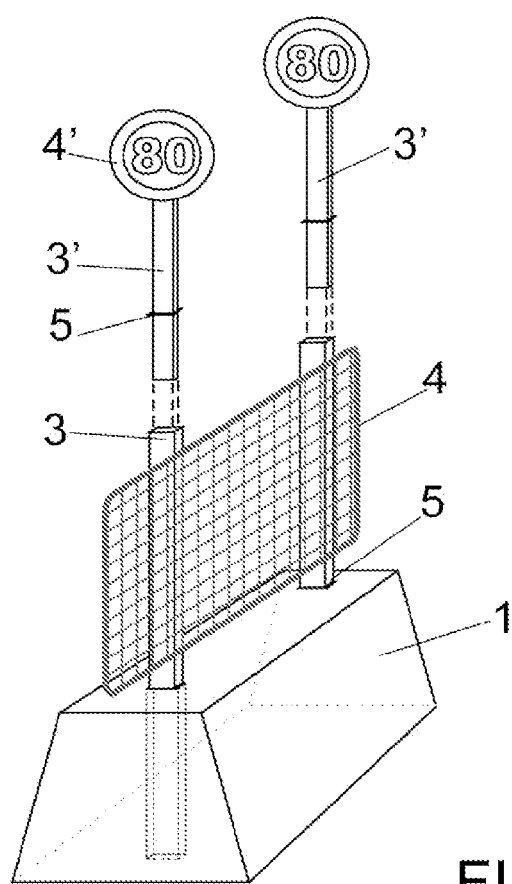
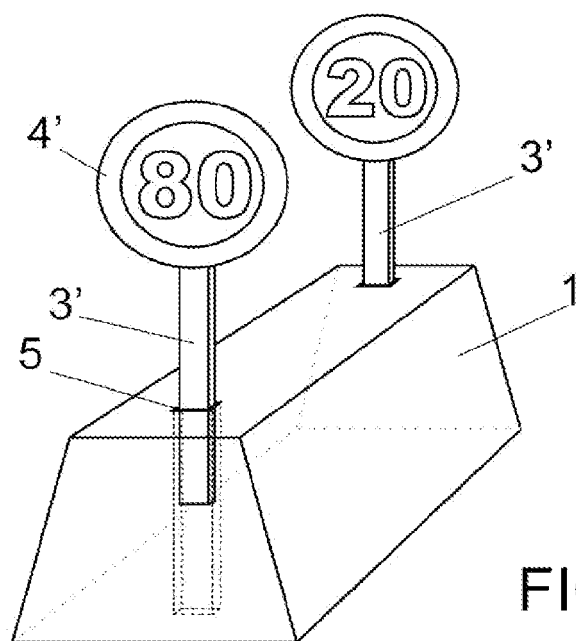


FIG. 2



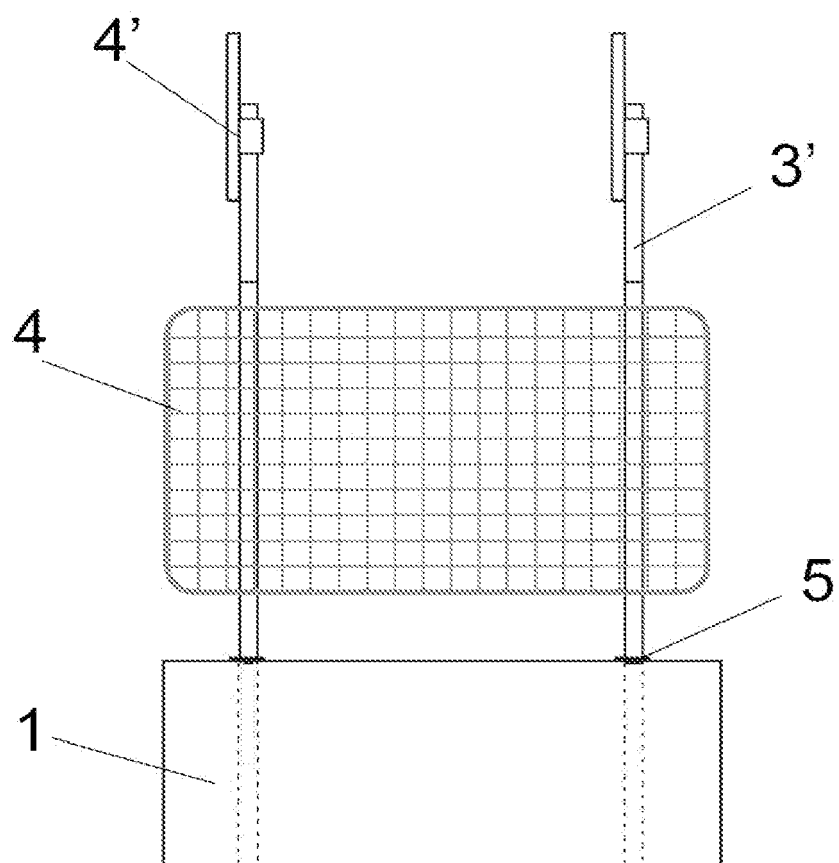


FIG. 5