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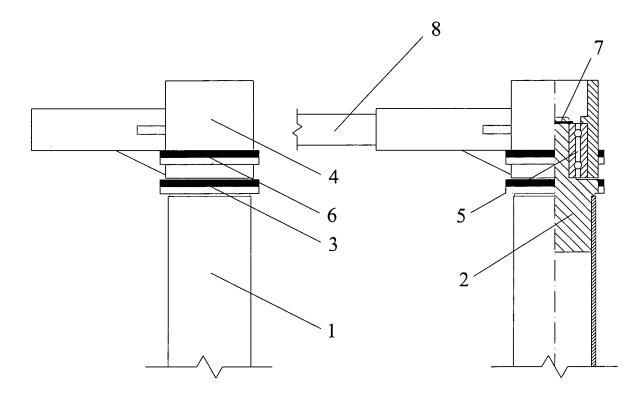
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(54) Flag pole with revolving truck which returns to its starting position

(57) The invention is composed of 4 semicircular magnets which are coupled, forming two circular arcs. One of these is placed in the end of the flagpole and the

other in the truck, which revolves freely. When the wind stops the magnets are attracted and the truck and the flag it is holding turn to the predetermined starting position.



- 1 Flagpole
- 2 Axle
- 3 Lower magnets
- 4 Support

- 5 Bearing
- 6 Upper magnets
- 7 Security clip
- 8 Rotating truck arm

EP 1 865 126 A2

Description

Technical Sector:

[0001] The invention form part of the technical sector of publicity structures, especially that relating to flagpoles.

Technical State

[0002] None known

Detailed description of the invention:

[0003] This invention regards a system whereby the flag on a flagpole with a revolving truck stays in a determined position or direction when there is no wind.

[0004] The problem that is presented is the fact that, when there is no wind the flags on flagpoles with revolving trucks often stop in different directions, depending on factors such as slight inclinations of the flagpole.

[0005] The solution adopted is via a system of magnets which, by means of forces of attraction and repulsion, can fix the truck and thus the flag in a determined direction.

[0006] The device resolves the problem of the flags stopping in different directions when there is no wind.

METHODS ELABORATION OF THE INVENTION:

[0007] The invention is composed of 4 semicircular neodymium magnets with a diametrical magnetic orientation, which are coupled, two by two, forming a semicircular arc. The measurement of each semicircular sector is 180°.

[0008] One circular arc is placed inside the end of the flagpole and the other is placed inside the rotating truck. Both are fixed (by, for example, being glued). The rotating truck revolves freely in the direction of the wind.

[0009] When the wind stops blowing, the revolving truck returns to the predetermined place due to the magnetic forces of attraction and repulsion.

Description of the drawings.

[0010] The axle of the revolving truck (2) is inserted and stuck to the top of the flagpole (1). Two semicircular magnets (3) are stuck to the axle of the revolving truck. They are placed in such a way as to attract each other, in other words, one has its positive pole upwards and the other downwards.

[0011] Fixed in the support of the revolving truck (4) are the revolving bearings (5) and two semicircular magnets (6) placed in such a way as to attract each other. This is placed, as one, onto the axle of the truck, and fixed with a security clip to avoid the truck coming off. The revolving truck support, in which the arm (8) is fixed,

can swing freely due to the bearings.

[0012] The revolving truck arm is placed inside the top part of the flag (hem), and supports the weight of the flag. When the wind blows, the revolving truck, together with the flag, rotates to the direction of the wind, overcoming the

magnets' forces of attraction.

[0013] When the wind stops blowing the magnets are attracted, placing the rotating arm in the determined place.

Claims

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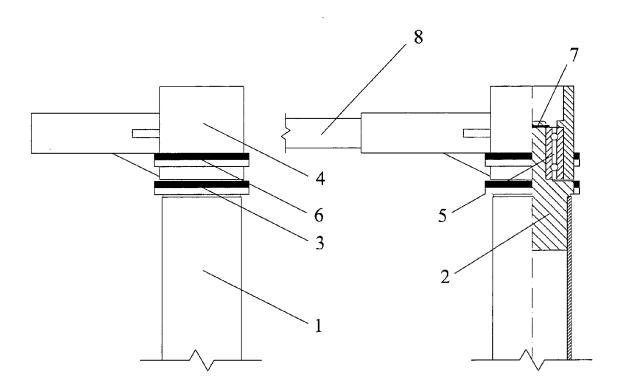
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 Flagpole with a revolving truck which returns to a predetermined starting point when there is no wind, and which is characterised by having a system of magnets

which using forces of attraction and repulsion, can fix the truck-arm and thus the flag in a determined direction.



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