



The aero device for use of atmospheric electricity

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Annotation: New unknown earlier technical solution - the aero device for accumulation of atmospheric electricity from air space (atmosphere) without contact with Earth (or the sea) with use of the plane is proposed.

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Devices, for use of atmospheric electricity are known: invention N 2332816, 2000128, 2369991, 2482640, 2030132.

These technical solutions are calculated on accumulation of atmospheric electricity in the conditions of Earth (and the seas).

Lack of these devices is lack of opportunity to accumulate atmospheric electricity from air space out of contact with Earth (sea).

New unknown earlier technical solution - the aero device for accumulation of atmospheric electricity from air space (atmosphere) without contact with Earth (or the sea) with use of the plane is proposed.

The device offered by us (see Figure 1) consists from it is acceptable the block executed in the form of the located vertically spherical triboelement 3 from it the needle 10 covered with dielectric which end is connected to the top disk of the condenser which is chambered from dielectric 17 from the basis 8 falls there is a needle 9 covered with dielectric at which top the lower disk of the condenser is fixed. The Triboelement is made of metal. The air network on the top branch by which the spark rated sportsman is placed is attached to the top needle which 11, second electrode is connected to the coil of inductance 12 which is connected to the lower needle 9, second coil of self-inductance 15 is connected to the rectifier 16 connected to the high-capacity condenser 13 connected by the accumulator 14. The condenser is chambered from dielectric and has a spark rated sportsman 18. For protection of the accumulator against an excess recharge on the top and lower needle the double switch 5 is entered, the indicator of a zaryazhennost of the accumulator 4 is connected to it (accumulator). For remote control of the device the block of remote control 1 connected to the double switch and the indicator of a zaryazhennost of the accumulator, for example, the voltmeter is entered. Protection of the device against external influences, safety of operation are carried out by the metal casing covered with dielectric 6 differs in that the device settles down in the plane thus the reception block 3 is located on the top surface 2, and the lower needle passes through the lower surface of the 7th fuselage to atmosphere.

The device works as follows:

at you weed the plane the internal space closed by a fuselage moves apart atmospheric space, creating a difference of potentials between the top and lower surface of the plane, the spherical triboelement placed on the top surface of a fuselage in the conditions of a high speed of flight of the plane at the expense of a triboelektrilization creates an ukkumulirovaniye of atmospheric electricity. These processes are resulted by a difference of the potentials between disks of the condenser which are on the top and lower needles. At a probitiya of a spark interval of tension caused by growth on the condenser under the influence of atmospheric electricity there is an alternating current in the self-induction coil, is connected with current in the inductance coil the electricity comes via the rectifier to the high-capacity condenser, and from it to the accumulator.

The proposed technical solution - the aero device for use of atmospheric electricity, is a basis of creation of the new unknown before type of the planes having the additional electric motor.

The invention is patented.

Figure 1

