



The sea device for use of atmospheric electricity

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New unknown earlier technical solution of the device for use (accumulation) of atmospheric electricity in the conditions of the sea by the ships (courts) and sea platforms is proposed. The device is applicable for operation of electric motors of the ships (courts) and other technical purposes.

The device consists (see Fig. 1) from the reception block executed in the form of located down the crosswise antenna element 6 connected to triboelement 3,4,5 from the lower spherical triboelement the needle 10 covered with dielectric which end is connected to the top disk of the condenser which is chambered from dielectric 17 falls, from the basis of the 8th chamber there is a grounded needle 9 covered with dielectric at which top the lower disk of the condenser is fixed. Triboelements are made of metal and are connected among themselves to the help of metal "nose" 4 vertically, consistently. The air network on the top branch which has placed a spark rated sportsman is attached to the top needle the 11, second electrode of which is connected to the coil of inductance 12 which is connected to the lower grounded needle 9; the second coil of self-inductance 15 is connected to the rectifier 16 connected to the high-capacity condenser 13 connected to the accumulator 14. The condenser is chambered from dielectric and has a spark rated sportsman 18.

Our technical solution differs from prototypes in the fact that the role of the elevator of the reception block is carried out by metal support 2, below through the metal basis 8 fixed to the deck 7, above connected to the metal ring 19 covered with dielectric which fixes the lower triboelement 3; The Reception block in the form of located down the crosswise antenna element 6 connected to triboelement 3, 4, 5 for strengthening of accumulation of atmospheric electricity has a covering the material possessing superconductivity – for example, gold of high test. For protection of the accumulator against an excess recharge on the top and lower needle the double switch 21 is entered, the indicator of a state of charge of the accumulator is connected to him (with the accumulator). For remote control of the device the block of remote control 23 connected to the double switch and the indicator of a state of charge of the accumulator, for example, the voltmeter is entered. Protection of the device against external influences, safety of operation carries out a metal casing with a corrosion-resistant coating 20. Metal support and a casing considerably reduce device weight, eliminate obstacles to streams of wind and water through the deck of the ship (vessel) or a sea platform, especially during a storm that allows to keep their stability and speed of the movement.

The device works in the constant mode, triboelement are located vertically and connected from an antenna crosswise form, allow

to create at the minimum volume the maximum surface for implementation of a triboelektrization various atmospheric factors. The potential difference between disks of the condenser, being on the top and lower needles results. In the period of blizzards, a rain, storms, thunder-storms, this process amplifies. Increase of tension also depends on height of raising of the top electrode with the antenna and triboelement as E_z – the vertical component of electric field of Earth, makes to 200 V/m from the Earth's surface, increasing during indignation.

At a punched of the spark interval caused by growth of tension on the condenser, under the influence of atmospheric electricity, there is alternating current in the self-induction coil, connected with coil current, the electricity comes via the rectifier to the high-capacity condenser, and from him to the accumulator. This technical solution can be used in a condition of land of Earth. The device is patented.

Fig. 1 Scheme of the device

