

This invention is pertinent to wind-power engineering and can be used for a wind-drive control. System of automatic wind-drive of a windmill control comprises of a wind-drive, cinematically connected to a generator, a working body of the wind-drive with a drive-control, connected by its input to the output of the integrator, which is connected by its first input to the positioning device of the drive-control, the second input, through an amplifier with a wide band of non-sensitivity – to the generator power sensor, the third input, through arranged in series amplifier with a narrow non-sensitivity band and averaging unit – to that very sensor. In addition, a sensor of velocity of change (of the derivative) of moment of momentum in the circuit “wind-drive – generator”, a band filter, connected by its input to the sensor of the derivative of the moment of momentum, and by its output – to the additional input of the integrator, are included, and ratio of the low and the high frequencies of the band filter is chosen in such a way, that its lower cutoff frequency is less than the natural frequency of the torsional vibrations of the rotor of excited generator. Ratio of parameters of the wind-drive and generator is chosen in such a way that the natural frequency of the torsional vibrations of the rotor of wind-drive is less than the natural frequency of the torsional vibrations of the rotor of excited generator.