



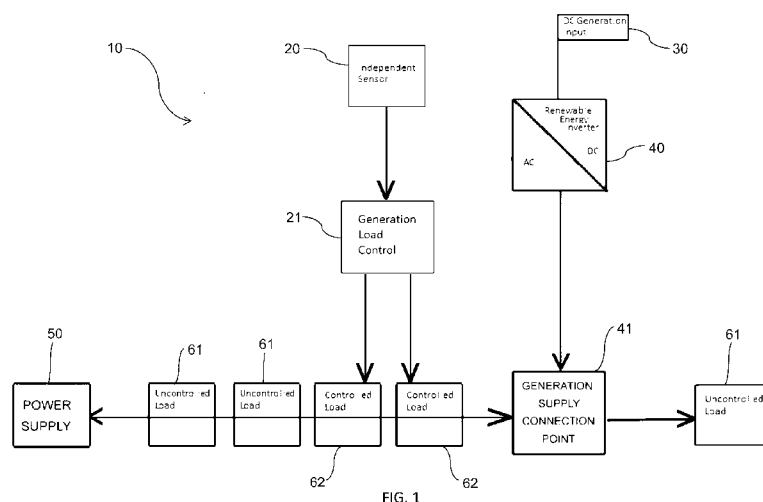
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(54) **Title:** GENERATION LOAD CONTROL

(57) **Abstract:** This invention relates to a device for controlling at least one of a plurality of electrical loads that are being supplied by at least one renewable energy generator and/or an electrical mains supply. The device comprises an energy sensor for measuring an energy parameter, wherein the energy parameter equates to a value representative of the amount of energy output by the energy sensor, the energy parameter of the energy sensor being directly proportional to the output of the at least one renewable energy generator; a controller means for determining the amount of electrical loads that can be connected or disconnected on the basis of the measured energy parameter; a switching device for connecting and disconnecting the at least one electrical load based on an output of the controller means; and wherein as the energy parameter varies the output of the controller means varies to connect and disconnect electrical loads.