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(54) **Wind turbine generator as well as parameter acquisition system and method thereof**

(57) The present invention discloses a wind turbine generator as well as a parameter acquisition system and a method thereof. The acquiring system comprises: at least one sensor, arranged in the hub of the wind turbine generator and configured to acquire environment operation parameters of the hub, and a data processing module, comprising a parameter acquisition unit, a parameter reading unit and a storage unit, wherein the parameter acquisition unit is connected with each sensor and configured to obtain environment operation parameters acquired by the each sensor; the parameter reading unit is connected with pitch drivers in the wind turbine generator

and configured to read load characteristic parameters of the pitch drivers; the storage unit is connected with the parameter acquisition unit and the parameter reading unit and configured to store the environment operation parameters and load characteristic parameters. With the acquiring system arranged in the wind turbine generator of the present invention, relevant data of wheel-hub environment and the pitch load characteristics can be acquired in real time, and hence simulation test environment of the pitch system in a workshop can be improved.

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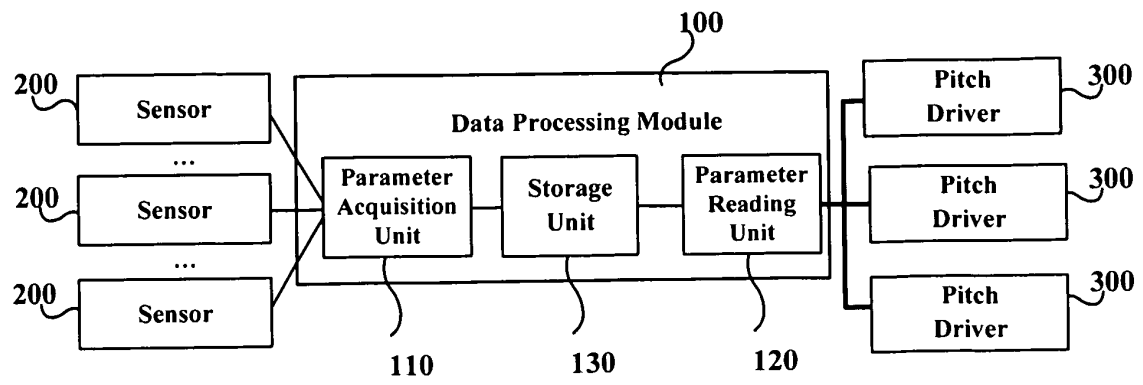


FIG.1