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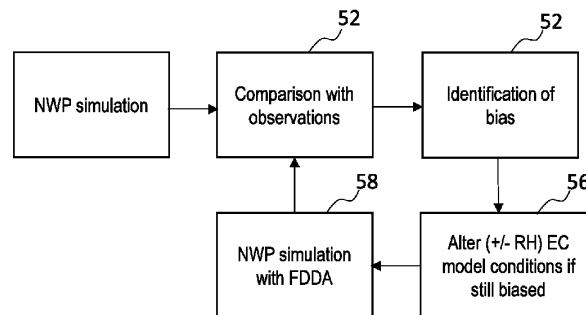


Fig. 29

(57) Abstract: A method of forecasting solar irradiance for a selected day using a local NWP model based on forecast output of a global NWP model is disclosed. The method includes adjusting moisture values in the forecast output of the global NWP model by an adjustment amount corresponding to a window period including the selected day, and forecasting solar irradiance is based on the forecast output with moisture values adjusted. A computer device including a processor that is operable to perform the method is also disclosed.



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