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(54) Title: A SYSTEM, COMPUTING DEVICE AND METHOD FOR ESTIMATING SOLAR IRRADIANCE FALLING ON A PHOTOVOLTAIC STRING

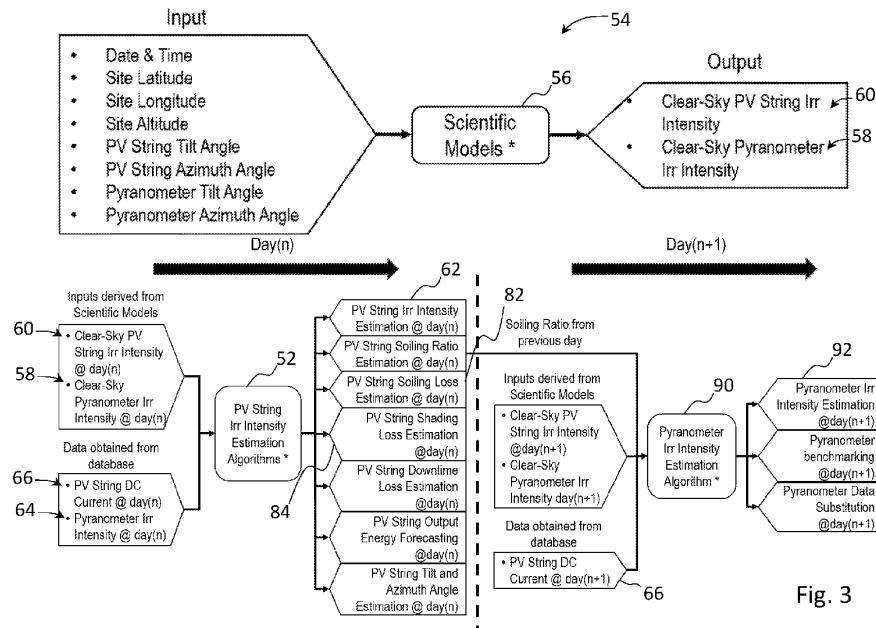


Fig. 3

(57) Abstract: A method of obtaining at least one data of a PV string is disclosed. The data includes an estimated solar irradiance falling on the PV string. The method includes receiving a first global solar irradiance on the PV string; receiving a second global solar irradiance on a sensor; receiving actual solar irradiance recorded by the sensor; and estimating solar irradiance falling on the PV string based on the first global solar irradiance, the second global solar irradiance and the actual solar irradiance. A system and a computing device for estimating solar irradiance falling on the PV string are also disclosed.

[Continued on next page]

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