Patent of Compound Eye Solar Energy

It summarizes the technical point description of the patent document. A sun sensor and micro-satellite technology, applied in the field of sensors, can solve the problems of high cost, ...

A compound eye type solar concentrator (CESC) is designed for solar energy harvesting based on the compound eye of insects. The system is composed primarily of a ...

Solar collectors can be classified as stationary or concentrating [9]. Concentrating solar collectors generally have concave reflecting surfaces to intercept and focus the sun"s ...

A high-performance 3D ultrathin Si solar cell with the thin nanofur coupled at the top with its SEM image. Reproduced with permission from Yan, W., Huang, Y., Wang, L ...

A solar collector includes an elongated heat exchange element onto which the sun"s rays are to be directed. A compound concentration lens system is mounted to direct the sun"s rays onto ...

With the rapid development of security surveillance and autonomous driving, the demand for wide field-of-view imaging is increasingly growing. Traditional wide field-of-view ...

the infrared spectrum can provide a reliable and predictable energy source that has the potential to make solar thermal systems competitive with, if not cheaper than, "dirty" power sources such ...

In an exemplary, non-limiting embodiment the layered solar-energy capture and conversion apparatus includes a solar cell comprising a top transparent conducting electrode layer, a ...

The role of renewable energy in global power generation is growing -- particularly for solar power. Thanks to increasing innovation and decreasing costs, global solar ...

Solar energy is the most abundant renewable energy for human beings. Although the total amount of solar energy is huge, the flux distribution of solar radiation energy ...

Apollo Solar Energy, a provider of ultra- high purity metals and commercial-purity metals and manufacturer of CIGS and CdTe solar compounds, has announced that Ken Chin, director of ...

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