



Solar generator patent policy

What patents do solar companies have?

They include Schott Solar, SunPower and PowerLight patents for PV mountings and shingles, a Stanford patent describing a bi-level contact PV cell, a DOE patent for multi-junction PV cells, and Abacus Controls and MRIGlobal (National Renewable Energy Laboratory) patents for PV power management and storage.

How many solar patent families are there?

This patent family is linked to 85 subsequent patent families assigned to the leading PV organizations. These include Canon patents describing solar modules, IBM patents for solar concentrators, and Total SA patents related to solar panel installation.

Who owns a solar cell patent?

This SETO-funded family (whose representative patent¹³ is US #5,053,083) is assigned to Stanford University. It describes bi-level contact solar cells, and is linked to 238 PV patent families assigned to leading organizations. These include patent families owned by eight of the ten leading organizations (i.e. all except Merck and Fuji Film).

Who is eligible for a Green Energy Patent Award?

Any U.S. patent or patent application that is directed to green energy technologies is eligible for this award. These technologies include wind, solar, green hydrogen, hydropower, geothermal, and biofuel. Please note that this new award cycle will only be for applications related to green energy technologies.

How many SunPower patents are there?

The list is headed by three SunPower patents, including patents describing back contact solar cells (US #7,468,485) and solar cell installations (US #8,158,877). Each of these patents has been cited by more than ten times as many subsequent patents as expected.

How many patents does first solar have?

In the ninth position, with 151 patents, is First Solar, a US company one of the largest manufacturers of photovoltaic solar modules with production units in the United States, Malaysia, Germany and Pakistan.

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