

Title (en)

MULTI-FUNCTIONAL PHOTOVOLTAIC SKYLIGHT AND METHODS OF MAKING THE SAME

Title (de)

MULTIFUNKTIONALES FOTOVOLTAIKDACHFENSTER UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

PUITS DE LUMIÈRE PHOTOVOLTAÏQUE MULTIFONCTION ET SES PROCÉDÉS DE FABRICATION

Publication

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Application

EP 13726630 A 20130513

Priority

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Abstract (en)

[origin: WO2013176911A1] Certain examples relate to improved solar photovoltaic systems, and/or methods of making the same. Certain improved building-integrated photovoltaic systems may include concentrated photovoltaic skylights having a cylindrical lens array. The skylight may include an insulated glass unit, which may improve the solar heat gain coefficient. The photovoltaic skylight and lens arrays may be used in combination with strip solar cells and lateral displacement tracking systems. Such techniques may advantageously help to reduce cost per watt related, in part, to the potentially reduced amount of semiconductor material to be used for such example embodiments. A photovoltaic skylight may permit diffuse daylight to pass through into an interior of a building so as to provide lighting inside the building, while the strip solar cells absorb the direct sunlight and convert it to electricity.

IPC 8 full level

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Citation (search report)

See references of WO 2013176911A1

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