

**MANIFOLD MICROCHANNEL COOLING OF  
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SOLAR ENERGY CONVERSION SYSTEMS** By Elnaz  
**Kermani**

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Manifold Design for Micro-Channel Cooling With Uniform Flow By examining the pressure drops through each flow path in a multi-channel cooling system,

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**Patent us20090229794 - heat pipes incorporating**

Patents Publication number a method of cooling a photovoltaic device or exits parallel flow microchannel core 14 at cool side manifold 18 returns via cool

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Journal of Solar Energy Engineering; Manifold Microchannel Cooler for Direct Backside Liquid Cooling of SiC Power Devices.

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In the manifold microchannel heat sink, the coolant flows through alternating inlet and outlet manifolds in a direction normal to the Cooling photovoltaic

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based on the active cooling of solar cells through 4. D. Copeland, Manifold microchannel heat sinks: Analysis and optimization, Thermal Sci. Eng., 3

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Manifold Design for Micro-Channel Cooling With Uniform Flow Distribution. Experimental Analysis of Microchannel Entrance Length Characteristics Using

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said microchannel layer and said manifold layer being positioned in a Fluid cooled solar powered Apparatus and methods for microchannel cooling of

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