

Space-variant polarization manipulation of a thermal emission (Technion)

code: MAE-0763

This technology offers a method for space-variant polarization manipulation of enhanced non-directional thermal emission in a narrow spectral peak. This can be used to create thermal sources, for decoding thermal coding or for thermal management. The polarization is accomplished by irradiating non-directional thermal emission on a subwavelength grating supporting surface phonon-polariton or surface plasmon-polariton and discretely controlling the local orientation of the grating.

Contact for more information:

Gabriel Shemer , +972-4-8294851

T - Technion Technology Transfer
Technion City, Senate Bldg., Haifa 32000, Israel
Tel. 972-4-829-4851; 972-8325-375
Fax. 972-4-832-0845