

Patent Number(s): CN202259698-U

Title: Multi-fractal structure based polarized insensitive terahertz meta-material absorber, has upper metal layer provided with primary, secondary and tertiary resonance structures, where tertiary and secondary resonance structures are integrated

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Abstract: NOVELTY - The absorber has a substrate fixed with a lower metal floor layer, an insulating dielectric layer and an upper metal layer. The upper metal layer is provided with a primary resonance structure, a secondary resonance structure and a tertiary resonance structure. The secondary resonance structure is integrated with the primary resonance structure. The tertiary resonance structure is integrated with the secondary resonance structure. The upper metal layer and the insulating dielectric layer are crossed together.

USE - Multi-fractal structure based polarized insensitive terahertz meta-material absorber.

ADVANTAGE - The absorber has better electromagnetic wave polarization sensitivity and wide absorption bandwidth.

DETAILED DESCRIPTION - The substrate is made of silicon or gallium arsenide.

DESCRIPTION OF DRAWING(S) - The drawing shows a perspective view of a multi-fractal structure based polarized insensitive terahertz meta-material absorber.

Derwent Class Code(s): A85 (Electrical applications); W02 (Broadcasting, Radio and Line Transmission Systems)

Derwent Manual Code(s): A12-E01A; W02-B03D; W02-B08R5

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