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Patent Number(s): WO2012056784-A1; JP2012094705-A
Title: Multi-electrode type photoconduction antenna has direct current voltage supply unit that applies voltage to pad element electrode so as to gradually increase or decrease in order arrangement electrode
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Abstract: NOVELTY - The antenna (31) has an electrode (33) that is arranged in a semiconductor layer (32) at the predetermined interval. The voltage from a direct current voltage supply unit is applied to a pad element (35) the electrode so as to gradually increase or decrease in order the arrangement the electrode.
USE - Multi-electrode type photoconduction antenna.
ADVANTAGE - The generation dead area in the photoconduction antenna can be prevented effectively, since voltage from direct current voltage supply unit is applied to the pad element the electrode so as to gradually increase or decrease in order the arrangement the electrode. The structure multi-electrode type photoconduction antenna can be simplified, since polarities the terahertz waves is adjusted by adjusting the voltage applied to the electrodes. The generation efficiency terahertz waves from terahertz wave generation apparatus can be assured.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for terahertz wave generation method.
DESCRIPTION DRAWING(S) - The drawing shows a top view the multi-electrode type photoconduction antenna.
Multi-electrode type photoconduction antenna (31)
Semiconductor layer (32)
Electrode (33)
Antenna unit (34)
Pad element (35)
Drawing:
Derwent Class Code(s): S03 (Scientific Instrumentation, photometry, calorimetry)
Derwent Manual Code(s): S03-E04A5
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