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Patent Number(s): JP2012146758-A

Title: Terahertz wave element comprises terahertz wave generation layer and electrode arrange in contact with terahertz wave generation layer

Inventor Name(s): KAJIKI K

Patent Assignee(s): CANON KK (CANO)

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Abstract: NOVELTY - The terahertz wave element comprises a terahertz wave generation layer (2) and an electrode (3) arrange in contact with the terahertz wave generation layer. The terahertz wave (5) is generated by voltage application to irradiation. The terahertz wave generation layer has two layers, where former layer injects excitation light (4) and other side surface forms Schottky junction unit.

USE - Terahertz wave element.

ADVANTAGE - The terahertz wave element comprises a terahertz wave generation layer and an electrode arrange in contact with the terahertz wave generation layer, and thus ensures simple and improved terahertz wave element.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic view of the terahertz wave element. (Drawing includes non-English language text).

Terahertz wave generation layer (2)

Electrode (3)

Excitation light (4)

Terahertz wave (5)

Derwent Class Code(s): U11 (Semiconductor Materials and Processes)

Derwent Manual Code(s): U11-C05E1; U11-C05F6; U11-C18B4

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