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Patent Number(s): CN102445711-A

Title: Terahertz wave detector has three electrodes that pass through the low pass filter respectively corresponding to lead electrode

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Derwent Primary Accession No.: 2012-F95064

Abstract: NOVELTY - The detector has a probe element that is provided with high electron migration rate field effect transistor. The field effect transistor has a source electrode, a gate electrode and a drain electrode. A terahertz wave detector detecting element structure has three lead electrodes, a low-pass filter unit and a terahertz wave coupled antenna. The three electrodes pass through the low pass filter respectively corresponding to the lead electrode.

USE - Terahertz wave detector.

ADVANTAGE - The structure the terahertz wave detector is simple. The efficiency the terahertz wave detector can be improved.

DESCRIPTION DRAWING(S) - The drawing shows a schematic view the terahertz wave detector.

Derwent Class Code(s): S03 (Scientific Instrumentation, photometry, calorimetry)

Derwent Manual Code(s): S03-C04A; S03-C08

IPC: G01V-008/00; H01L-021/335

Patent Details:

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
CN102445711-A	09 May 2012	G01V-008/00	201244	Pages: 9	Chinese

Application Details and Date:

CN102445711-A CN10297633 30 Sep 2010

Priority Application Information and Date:

CN10297633 30 Sep 2010