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Patent Number(s): KR2012047554-A; KR1149352-B1

Title: Terahertz imaging method for producing three-dimensional image tumor, involves producing primary electrical signal based on terahertz electromagnetic wave reflected from normal region and tumor region

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Derwent Primary Accession No.: 2012-G08574

Abstract: NOVELTY - The method involves radiating (S100) terahertz electromagnetic wave in the tumor region and the normal region adjacent to the tumor region. A primary electrical signal and the secondary electric signal are produced (S110) based on the terahertz electromagnetic wave reflected from the normal region and tumor region. A three-dimensional image the tumor is generated (S120) based on the primary electrical signal and the secondary electric signal.

USE - Terahertz imaging method for producing three-dimensional image tumor.

ADVANTAGE - The process accurately grasps the area the tumor.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for terahertz imaging apparatus.

DESCRIPTION DRAWING(S) - The drawing shows a flowchart illustrating the terahertz imaging process. (Drawing includes non-English language text)

Step for radiating terahertz electromagnetic wave in tumor region and normal region (S100)

Step for producing primary and secondary electric signals (S110)

Step for generating three-dimensional image based on primary and secondary electric signals (S120)

Step for displaying generated three-dimensional image through display device (S130)

Derwent Class Code(s): P31 (Diagnosis, surgery); S05 (Electrical Medical Equipment); T01 (Digital Computers)

Derwent Manual Code(s): S05-D; T01-J06A; T01-J10C4

IPC: A61B-005/00; G06T-015/00

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