

Title (en)
IMAGING THZ MEASUREMENT METHOD AND APPARATUS

Title (de)
BILDGEBENDES THZ-MESSVERFAHREN UND VORRICHTUNG

Title (fr)
PROCÉDÉ DE MESURE THZ PAR IMAGERIE ET DISPOSITIF

Publication
EP 2691760 A1 20140205 (DE)

Application
EP 12711880 A 20120330

Priority
• EP 11160647 A 20110331
• EP 2012055914 W 20120330
• EP 12711880 A 20120330

Abstract (en)
[origin: EP2505986A1] The device has a spectral expanding and/or spectral collecting component e.g. terahertz diffraction grating (13), connected with an imaging system (5) e.g. lens system, for converting frequency information into location information. Spatial expansion of terahertz radiation in a spatial direction lies outside a propagation direction. The imaging system is designed from a combination of a lens, mirrors and a diffractive optics so that the expanded terahertz radiation is focused on a focus line (25). The imaging system is arranged between a sample and the component. An independent claim is also included for a method for performing an imaging terahertz measurement.

IPC 8 full level
G01N 21/35 (2006.01); **G02B 26/08** (2006.01)

CPC (source: EP)
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Citation (search report)
See references of WO 2012131085A1

Designated contracting state (EPC)
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