

Patent Number(s): US2012099856-A1

Title: Method for establishing terahertz link for use in wireless networks e.g. cellular networks, involves receiving detected terahertz signals from detectors, and determining whether detected signal is out focus from focus point

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Derwent Primary Accession No.: 2012-E84872

Abstract: NOVELTY - The method involves receiving detected terahertz signals from several detectors (221a-n), and determining whether the detected signal is out focus from a focus point (222). A corrective signal is applied to each active beam steering device (230a) that corresponds to a detected terahertz signal that is out focus from the focus point, which causes the detected signal to be redirected. A signal-to-noise ratio the detected signals is measured. The terahertz link is established through one the detected terahertz signals with a highest signal-to-noise ratio.

USE - Method for establishing terahertz link for use in wireless networks e.g. cellular networks.

ADVANTAGE - The process controls the focus point to address the received terahertz signal out focus and out position. The reliability and performance the process can be improved. The time taken for the process can be reduced. The cost involved in the process can be reduced.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) non-transitory computer-readable storage medium storing program for process establishing terahertz link; and

(2) receiver used in networks.

DESCRIPTION DRAWING(S) - The drawing shows a schematic view communication link established between transmitter and receiver.

Transmitter (100)

Receiver (220)

Detectors (221a-n)

Focus point (222)

Steering device (230a)

Drawing:

Derwent Class Code(s): T01 (Digital Computers); W02 (Broadcasting, Radio and Line Transmission Systems)

Derwent Manual Code(s): T01-C03C; T01-H01A; T01-S03; W02-C04A3; W02-C04C1A

IPC: H04B-010/06; H04B-010/08

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