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Title: Terahertz signal generation device has band-pass filter which is connected with end carrier photoelectric detector

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Abstract: NOVELTY - The device has annular laser (1) which is connected with Bragg reflecting grating portion (2). The annular laser is provided with closed cavity (11) and cavity electrode (16). The closed cavity is arranged between waveguides (12,13). The closed cavity is arranged parallel to the cavity electrode. The coupler electrodes (14,15) are arranged between closed cavity and cavity electrode. A band-pass filter (3) is connected with the end carrier photoelectric detector.

USE - Terahertz signal generation device.

ADVANTAGE - The high quality terahertz signal can be generated.

DESCRIPTION DRAWING(S) - The drawing shows a schematic view the terahertz signal generation device.

Annular laser (1)

Bragg reflecting grating portion (2)

Band-pass filter (3)

Closed cavity (11)

Waveguides (12,13)

Coupler electrodes (14,15)

Cavity electrode (16)

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