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Patent Number(s): JP2012074494-A

Title: Oscillation element for generating terahertz wave, has upper and lower electrodes comprised such that electric current is supplied with electricity at right angle to film surface laminated film

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Abstract: NOVELTY - The element has a laminated film provided with a joint intermediate layer (11) that is provided between two magnetic layers (10, 12). Upper and lower electrodes (13, 14) are comprised such that electric current is supplied with electricity at a right angle to a film surface the laminated film. The magnetic layers oscillate electromagnetic wave and light. The joint intermediate layer comprises iron, cobalt, nickel, chromium, manganese, oxide, aluminum, magnesium, zirconium and zinc.

USE - Oscillation element for generating terahertz wave.

ADVANTAGE - The upper and lower electrodes are comprised such that electric current is supplied with the electricity at the right angle to the film surface the laminated film, so that the element can achieve high frequency the terahertz wave.

DESCRIPTION DRAWING(S) - The drawing shows an exploded perspective view an oscillation element.

Upper and lower electrodes (10, 12)

Joint intermediate layer (11)

Magnetic layers (13, 14)

Drawing:

Derwent Class Code(s): L03 (Electro-(in)organic, chemical features electrical devices)

Derwent Manual Code(s): L03-B02A4; L04-C11C; L04-C17

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