

661

Patent Number(s): KR2012040023-A; KR1139938-B1

Title: Terahertz wave resonator for use in spatial light modulator, has substrate arranged with patterns, and switching element arranged on substrate, where ends patterns are connected with ohmic contact and Schottky contact

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Derwent Primary Accession No.: 2012-F04444

Abstract: NOVELTY - The resonator has a substrate arranged with two patterns that are provided with a split loop structure. A switching element i.e. Schottky diode, is arranged on the substrate. Ends the patterns are connected with an ohmic contact and a Schottky contact. A sub pattern is fixed at an inside the switching element. The patterns perform a polarization function an electric signal. Two metal lines are electrically connected with the patterns. A short key is connected with the switching element.

USE - Terahertz wave resonator for use in a spatial light modulator.

ADVANTAGE - The resonator performs high speed driving operation at low voltage, and improves on/f ratio the modulator through two-dimensional pixelization process.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a spatial light modulator.

DESCRIPTION DRAWING(S) - The drawing shows a sectional view a terahertz wave resonator.

Derwent Class Code(s): W02 (Broadcasting, Radio and Line Transmission Systems); X26 (Lighting - Discharge, incandescent and electric arc lamps)

Derwent Manual Code(s): W02-A03A4; W02-A06B; X26-C03

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