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(54) **COMPACT OPTICAL TRANSCONDUCTANCE VARISTOR**

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(57) **ABSTRACT**

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A compact radiation-modulated transconductance varistor device having both a radiation source and a photoconductive wide bandgap semiconductor material (PWBSM) integrally formed on a substrate so that a single interface is formed between the radiation source and PWBSM for transmitting PWBSM activation radiation directly from the radiation source to the PWBSM.

Related U.S. Application Data

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