

5.11.

Title

OPTOELECTRONIC GAS SENSOR

Authors

Dorogan Valerian, Vieru Tatiana, Vieru Stanislav, Dorogan Andrei, Secrieru Vitalie, Munteanu Eugen, Balica Ștefan

Institution

Technical University of Moldova

Patent no.

Patent pending

Description

The sensor is equipped with a laser diode with vertical emission and an external optical resonator, which assures multiple propagation of laser radiation. The gash detection inside the external resonator's cavity is assured by fluctuating the emitted radiation wavelength in dependence on the environment's composition.