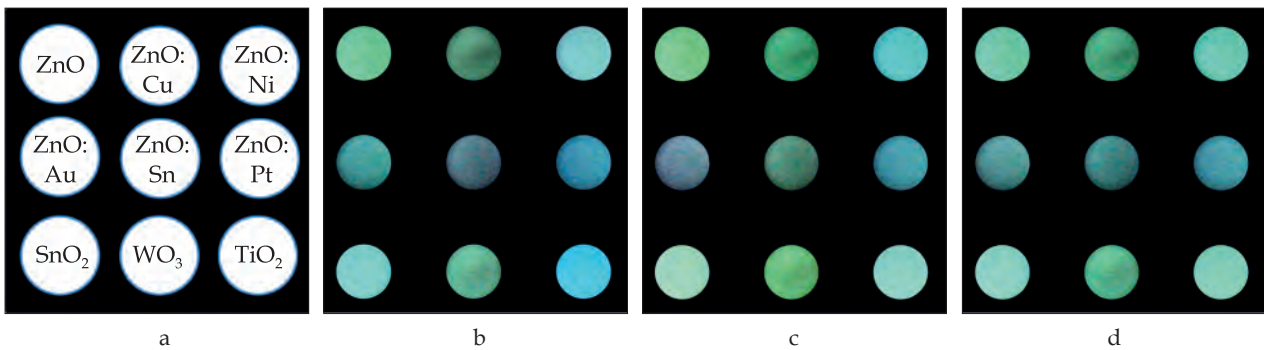


GAS SENSOR SYSTEM



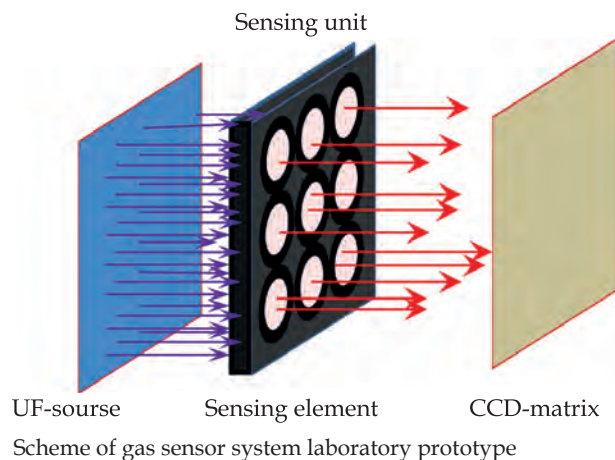
Photoluminescent emission of sensing matrix cells (a) in gas environment (b) air, (c) CO, (d) vacuum

Areas of Application

The system can be used in ecology, biology, medicine, and military industry

Specification

Gas detection is carried out by analyzing changes in luminescence color of nanopowder matrix cells in gas environment. In this case, for example, sensitivity to oxygen is ~3 ppb with a response time of ~100 ms while reaching a signal of ≥90%



Advantages

The product has no analogs in Ukraine and in the world

Stage of Development.

Suggestions for Commercialization

IRL3, TRL2

The results of laboratory research are proposed to potential customers to confirm the design properties of the gas sensor system, its competitive ability in the market and to identify technological solutions for its manufacture and potential applications

IPR Protection

IPR1, IPR3

Contact Information

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