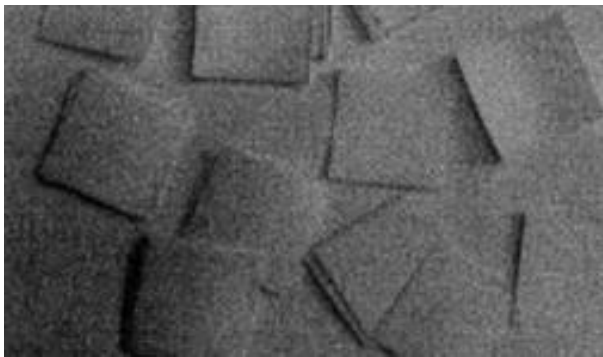


Malodorogenic Sensor for Carbon Monoxide



CO doesn't smell? It now does – thanks to our new innovative odor-based CO sensor technology.



Status quo

Electronic sensors for the detection of the highly toxic gas carbon monoxide (CO) are commercially available in a wide range. Central disadvantages of the respective basic detection technology are, inter alia, temperature- and pressure sensitivity, need for high operation temperatures and high production costs.

Our technology: Malodorogenic sensor

The newly developed sensor consists of a specifically coated paper. In presence of CO

the functional component of the stable coating reacts chemically under rapid release of a non-toxic, malodorous substance.

Key Benefits

- Direct CO-alarm for people around by immediately addressing the sense of smell.
- No electronics and no energy needed.
- Simple structure and minimal space requirements.

Current stage of development

Experiments have been performed successfully and the Proof of Concept is completed.

Application possibilities

Application is possible in all areas and situations with exposition of people to CO emissions. For instance it could be used in respiratory protecting filters/air cleaners to signalize the breakthrough of CO.

Intellectual Property/Patent situation

The presented technology is protected by patent application of Technische Universität Darmstadt.

Our offer for you

We are looking for industry partners who are interested in using the technology. If there is any need for further development of the technology regarding product implementation, a close cooperation between the industry partner and Technische Universität Darmstadt is possible.

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