EUROINVENT 2021

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Title	n-BUTANOL SENSOR BASED ON ZnO-Al ₂ O ₃ HETEROJUNCTION.
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	The invention relates to the technique and technology of oxide semiconductors, in particular to butanol sensors based on ZnO-Al ₂ O ₃ heteronjunctions. Butanol is widely used as a solvent for the manufacture of varnishes and paints. For
Description	butanol, the odor threshold is at 14-16 ppm, but the
EN	permissible limit of its concentration in air ≈ 3.3 ppm. For these reasons it is necessary to make sensors sensitive to low concentrations of butanol. The problem solved by the proposed invention is the manufacture of an n-Butanol sensor with a higher sensitivity to low gas concentrations.
Class no.	12. Safety, protection and rescue of people