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(54) Title of the invention : TRANSITION METAL OXIDE CERAMIC NANOPARTICLES FOR GAS SENSORS AND A PROCESS FOR THE PREPARATION THEREOF

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(57) Abstract :

The present invention relates to a gas sensor (1) comprising transition metal oxide ceramic nanoparticles, for sensing VOC (volatile organic compounds) gases, wherein said transition metal oxide is selected from Zirconium oxide (ZrO₂), Hafnium oxide (HfO₂) Calcium Copper Titanate (CaCu₃Ti₄O₁₂) and Tungsten Oxide (WO₃). The invention further relates to a process for the preparation of the gas sensor.

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