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The invention relates to the field of physics of semiconductors and may be used for manufacture of gas sensors on base of thin films.

The composition for obtaining thin stannic oxide films contains tin tetrachloride pentahydrate and water. It additionally contains palladium acetylacetonate and ethanol in the following component ratio:

$\text{SnCl}_4 \cdot 5\text{H}_2\text{O}$  61,25...78,75 g/l

$\text{Pd}(\text{AcAc})_2$  0,0525...0,0675 g/l

$\text{C}_2\text{H}_5\text{OH}$  0,075...0,125 l

water the rest.

Claims: 1