

Summary

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The invention relates to a method for the manufacture of a mixed oxide in a nano-structure with a high electric conductivity, for example indium-tin-oxide, as well as an oxide powder, a solid and its application as sputter target. The oxide is manufactured by a synthesis reaction while the liquid alloy is sputtered in a very hot plasma. The synthesis reaction is initiated at a very high temperature and is followed by a thermal state that is controlled such that it yields a crystalline structure that is free from any defects and permits a high mobility of electric charges.