

Title (en)  
METHOD FOR THE PRODUCTION OF A METAL OXIDE POWDER OR A SEMICONDUCTOR OXIDE POWDER, OXIDE POWDER, SOLID BODY, AND THE USE THEREOF

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES METALLOXIDPULVERS ODER EINES HALBLEITEROXIDPULVERS, OXIDPULVER, FESTK RPER UND SEINE VERWENDU NG

Title (fr)  
PROCEDE DE PRODUCTION D'UNE POUDRE D'OXYDE METALLIQUE OU D'UNE POUDRE D'OXYDE SEMI-CONDUCTEUR, POUDRE D'OXYDE, CORPS SOLIDE ET SON UTILISATION

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Application  
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Abstract (en)  
[origin: WO03095360A1] The invention relates to a method for producing nanostructured mixed oxide having a high electrical conductivity, e.g. indium tin oxide, as well as an oxide powder, a solid body, and the use thereof as a sputter target. The oxide is produced by continuous direct oxidation, a metal material or semiconductor material being used as a smelting electrode in an oxygen plasma. The synthesis reaction is triggered at a very high temperature, followed by a thermal state which is controlled in such a way that an error-free crystalline structure allowing high mobility of electrical charges is created.

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Citation (search report)  
See references of WO 03095360A1

Citation (examination)  
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• WO 9959754 A1 19991125 - UNIV WESTERN AUSTRALIA [AU], et al  
• US 5128081 A 19920707 - SIEGEL RICHARD W [US], et al  
• WO 9529872 A1 19951109 - ULRICH RESEARCH & CONSULTING I [US], et al  
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