

Title (en)

METAL OXIDE TARGET AND METHOD FOR PRODUCING SAME

Title (de)

METALLOXID-TARGET UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

CIBLE EN OXYDE MÉTALLIQUE ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

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Abstract (en)

[origin: WO2015052139A1] The invention relates to a sputtering target for producing layers, in particular optical layers. The invention additionally relates to a layer, in particular an optical layer, and a device for producing a sputtering target. The invention further relates to a method for producing a sputtering target. According to the invention the sputtering target additionally has, for example, at least one metal oxide, at least one combination consisting of at least two metal oxides, or a combination of at least one metal oxide in the form of an alloy or in the form of a mixture such that a sputtering target is produced with metal oxide components using the elements Si and Al or the alloy thereof and using the at least one metal oxide or the combination thereof. The metal oxide in the sputtering target is preferably a metal oxide from the group consisting of ZrO₂, Ta₂O₅, Y₂O₃, HfO₂, CaO, MgO, Ce₂O₃, Al₂O₃, TiO₂, or Nb₂O₅.

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