

Title (en)
SUPERCONDUCTING MATERIALS AND METHODS OF SYNTHESIS

Title (de)
SUPRALEITENDE MATERIALIEN UND SYNTHESEVERFAHREN

Title (fr)
MATÉRIAUX SUPERCONDUCTEURS ET PROCÉDÉS DE SYNTHÈSE

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Abstract (en)
[origin: WO2007147219A1] Superconducting materials and methods of synthesizing the superconducting materials are disclosed. Embodiments of the methods include mixing at least two starting materials capable of forming a M_gB₂ superconducting material with at least one organic dopant compound, the organic dopant compound comprising carbon, hydrogen and oxygen. The method further includes shaping the mixed materials into a desired shape and heating the mixed materials to produce a carbon-doped M_gB₂ super-conducting material.

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