

Title (en)  
SUPERCONDUCTING MATERIALS AND METHODS OF SYNTHESIS

Title (de)  
SUPRALEITENDE MATERIALIEN UND SYNTHESEVERFAHREN

Title (fr)  
MATÉRIAUX SUPERCONDUCTEURS ET PROCÉDÉS DE SYNTHÈSE

Publication  
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Application  
**EP 07719117 A 20070625**

Priority

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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<SUB>g</SUB>B<SUB>2</SUB> 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<SUB>g</SUB>B<SUB>2</SUB> super-conducting material.

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