

Title (en)

SUPERCONDUCTING METAL OXIDE COMPOSITIONS AND PROCESSES FOR MANUFACTURE AND USE.

Title (de)

SUPRALEITFÄHIGE METALLOXYD-ZUSAMMENSETZUNGEN UND VERFAHREN ZUR HERSTELLUNG.

Title (fr)

COMPOSITIONS D'OXYDE METALLIQUE SUPRACONDUCTEUR ET PROCEDES DE FABRICATION ET UTILISATION.

Publication

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Application

EP 90903287 A 19891016

Priority

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Abstract (en)

[origin: WO9005384A1] Compositions having the nominal formula $TiBa_xCa_bCu_cO_x$, wherein a is from about 2 to 4, b is from about 7/2 to 5, c is from about 9/2 to 7, $x = (a + b + c + y)$, where y is from about 1/2 to 3, are superconducting. Processes for manufacturing such compositions and for using them are disclosed.

Abstract (fr)

Compositions ayant la formule nominale $TiBa_xCa_bCu_cO_x$, dans laquelle a est compris entre 2 et 4 environ, b est compris entre 7/2 et 5 environ, c est compris entre 9/2 et 7 environ, $x = (a + b + c + y)$, où y est compris entre 1/2 et 3 environ, ces compositions étant supraconductrices. Des procédés de production de telles compositions et d'utilisation de ces compositions sont également décrits.

IPC 1-7

C01F 1/00; **C01F 11/00**; **C01G 3/02**; **C01G 15/00**; **H01L 39/12**

IPC 8 full level

C01G 15/00 (2006.01); **C01G 1/00** (2006.01); **C04B 35/45** (2006.01); **H01L 39/12** (2006.01); **H01L 39/22** (2006.01)

IPC 8 main group level

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