

Title (en)
BORIDE-DISPERSED ALLOY MATERIAL AND PROCESS FOR MANUFACTURING SAME

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EP 0101936 B1 19880914 (EN)

Application
EP 83107389 A 19830727

Priority
JP 13145782 A 19820728

Abstract (en)
[origin: EP0101936A2] A process for manufacturing a boride-dispersed alloy material having high electrical and thermal conductivity comprises preparing a metallic matrix containing 0.5 to 40 atom % of at least one boride-forming metal element, such as beryllium, magnesium, aluminum, titanium, cobalt or nickel, the balance being gold, silver or an alloy of gold or silver, and diffusing boron into the matrix to form therein a surface layer in which fine particles of a boride are uniformly dispersed, and which has a thickness of 0.01 to 0.25 mm.

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IPC 8 full level
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