

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

Publication  
**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.

IPC 1-7  
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IPC 8 full level  
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**EP 0101936 A2 19840307**; **EP 0101936 A3 19850130**; **EP 0101936 B1 19880914**; DE 3377990 D1 19881020; JP S5923835 A 19840207; JP S6154109 B2 19861120

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