

Title (en)

Multi layer sliding part and a method for its manufacture

Title (de)

Mehrschichtige Gleitlagerbeschichtung und Herstellungsverfahren

Title (fr)

Revêtement de palier multicouches et sa méthode de fabrication

Publication

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Application

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Priority

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Abstract (en)

[origin: EP1508693A2] A multi-layer sliding part has a Cu-plated solid lubricant uniformly dispersed in the matrix of a sintered bronze powder. The sintered alloy layer is densified by pressing, and the surface of the bearing alloy layer is coated with a resin having sliding properties. In a method of manufacturing a multi-layer sliding part, a mixture of a bronze powder and a Cu-plated solid lubricant are initially sintered, and the initially sintered mass is pulverized. The pulverized powder is sintered on both sides of a backing plate. After sintering of the pulverized powder on both sides of the backing plate to form bearing alloy layers, the bearing alloy layers are pressed and densified. After densification, the bearing alloy layers are annealed, again pressed, and then coated with a resin having sliding properties.

IPC 8 full level

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CPC (source: EP)

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