

Title (en)
BEARING MATERIAL AND PROCESS FOR MAKING IT

Title (de)
Lagerwerkstoff und Verfahren zu dessen Herstellung

Title (fr)
MATERIAU POUR PALIER ET PROCEDE POUR SA FABRICATION

Publication
EP 0497944 B1 19970129 (DE)

Application
EP 91914474 A 19910819

Priority
• DE 4026907 A 19900825
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Abstract (en)
[origin: WO9203239A1] A bearing material consists of a matrix of a metal alloy forming a monotectic system with Pb-based materials and substantially bead-shaped soft phases of a Pb-based material dispersed therein in such a way that the concentration of the soft phases increases in the matrix towards a surface of the bearing material. It is made by casting a melt containing in the mixture alloying components which form a monotectic system with Pb-based materials and alloying components which form a Pb-based material on a substrate in such a way and thus by setting the material thickness, the cooling conditions and the composition of the melt in such a way that the Pb-based material separates in the liquid state from the rest of the melt under the force of gravity and is concentrated in dispersed fashion in the lower region of the material.

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IPC 8 full level
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