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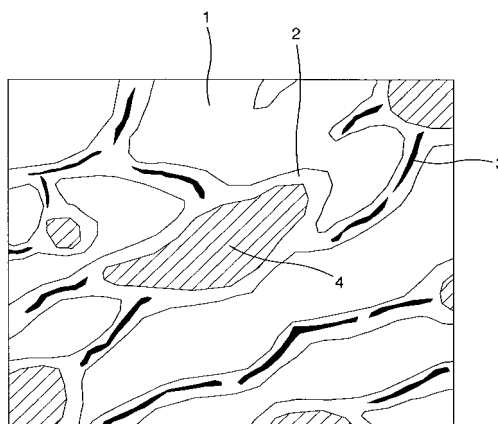
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(54) **Copper-based sliding material**

(57) A copper-based sliding material consisting of: 5.0 to 25.0 mass % of Zn; 4.2 to 10.0 mass % of Bi; 2.0 to 7.0 mass % of Mn; 1.0 to 3.0 mass % of Si; 0.1 to 2.0 mass % of Sn; and the balance being Cu and unavoidable impurities is provided. The copper-based sliding material includes a single α -phase matrix (1, 2), a Mn-Si compound (3) and a Bi-particle phase (4). The Mn-Si compound (3) and the Bi-particle phase (4) are dispersed in the single α -phase matrix (1, 2). The mass ratio of Sn to Bi is 0.024 to 0.200, preferably 0.050 to 0.140.

FIG. 1





EUROPEAN SEARCH REPORT

Application Number
EP 09 00 8100

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Place of search Munich		Date of completion of the search 12 December 2012	Examiner Radeck, Stephanie
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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