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(54) Title: Method for producing a bi-material sliding bearing

(56) Cited documents: ---

(57) Abstract:

The invention relates to a method for producing a bi-material sliding bearing (1) whereby a metal sliding layer (3) of at least two different particle types is deposited under reduced pressure from the gas phase on a flat, metal substrate (8), and a first particle type forms a matrix with first grains and the second particle type forms grains embedded in the matrix of the metal sliding layer (3), and the metal sliding layer (3) is produced with a thickness (4) of more than 250 µm and with a Vickers hardness below 100 HV(0.025), and the metal sliding layer (3) is made of a single layer in only one pass and with a maximum grain size of at most 1 µm for at least 90 % of the first grains forming the matrix and with a maximum grain size for at least 90 % of the embedded grains, and a maximum particle size of at most 1.5 µm for the remaining grains making up 100 % of all grains.

