

Title (en)
SLIDE BEARING IN THE BUILDING TRADE

Title (de)
GLEITLAGER IM BAUWESEN

Title (fr)
PALIER LISSE DANS LE SECTEUR DE LA CONSTRUCTION

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Application
EP 19746055 A 20190722

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Abstract (en)
[origin: CA3109528A1] The invention relates to the use of a sliding material, which consists of more than 60 wgt.-% PTFE, in a slide bearing (100) for buildings, comprising two bearing elements (1, 2), which are movably guided toward each other in the slide bearing (100) within a relative motion region of the bearing elements (1, 2), wherein a slide element (3) made of the sliding material is fixed in position to a first of the two bearing elements (1) and arranged between the bearing elements (1, 2) such that it is in sliding contact with the second of the two bearing elements (2) within the entire relative motion region of the two bearing elements (1, 2) toward each other. In the case of implementation of the slide bearing (100) for an area of application in which the bearing elements (1, 2) are subjected to a totalled slide path toward each other of more than 20,000 m at a pressing force against each other of more than MPa over the entire slide path, wherein the sliding material consists of 10 wgt.-% to 40 wgt.-% polyimide, particularly 15 wgt.-% to 25 wgt.-% polyimide, and the sliding material has such material properties that, in the case of a long-term sliding friction test carried out according to D.6.2 of the standard EN 1337-2:2004, solely with the variations that the long-term sliding friction test is carried out over a totalled slide path of more than 20,000 m and that a contact pressure for the sliding material of more than 60 MPa, particularly 90 MPa is applied, the requirements for the coefficients of friction thereof according to table 2 of the standard EN 1337-2:2004 are met.

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