Title (en)

ELASTOMER METAL ELEMENT FOR AN ELASTOMER METAL BEARING, PARTICULARLY AS A BEARING CONNECTION BETWEEN A DOME MODULE AND A VEHICLE

Title (de)

ELASTOMER-METALL-ELEMENT FÜR EIN ELASTOMER-METALL-LAGER, INSBESONDERE ALS LAGERVERBINDUNG ZWISCHEN EINEM KUPPELMODUL UND EINEM FAHRZEUG

Title (fr)

ELEMENT EN ELASTOMERE-METAL POUR PALIER EN ELASTOMERE-METAL, EN PARTICULIER SERVANT DE JONCTION DE PALIER ENTRE UN MODULE A COUPOLE ET UN VEHICULE

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Abstract (en)

[origin: WO2008122380A1] The invention relates to an elastomer metal element for an elastomer metal bearing, particularly as a bearing connection between a dome module and a vehicle, with an inner cylindrical metal part (2) for connection to a first structural element which is to be supported, with two outer sheet metal shell parts (4, 5; 4', 5') lying opposite each other and partly overlapping the inner cylindrical metal part, and with elastomer bodies (6, 7, 8, 9) adhering between the inner metal part (2) and the sheet metal shell parts (4, 5; 4', 5'), wherein the elastomer metal element (1), with the application of a radial tensioning in the elastomer bodies (6, 7, 8, 9), can be pressed into an accommodating eye (19) at a second structural element which is to be supported. According to the invention, a twisting stop (16, 17 with 13, 20) is provided which, above a certain stop release moment, up to which the elastomer metal bearing (1) has a relatively high torsional stiffness with approximately linear torsional spring characteristics, can be pressed over with the release of the stop support, as a result of which a further torsional deflection with horizontal or declining spring characteristics is absorbed.

IPC 8 full level

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