

Title (en)
RUBBER BEARING HAVING AXIAL DAMPING

Title (de)
GUMMILAGER MIT AXIALER DÄMPFUNG

Title (fr)
PALIER METALLO-CAOUTCHOUTE A AMORTISSEMENT AXIAL

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Abstract (en)
[origin: WO0111256A1] The invention relates to a rubber bearing having axial damping. The rubber bearing is comprised of a multiple piece bearing inner part (1) and of an elastomer (9, 9') which surrounds said bearing inner part (1) in sections and which is joined to the same by vulcanizing. The rubber bearing also comprises chambers (5, 5', 6, 7) for accommodating a damping medium, a channel support (11) provided with at least one damping medium channel (12) that permits the damping medium to circulate between the chambers (5, 6, 7), and an essentially cylindrical bearing sleeve (10) that accommodates said bearing parts. The bearing inner part (1) comprises, on the axial bearing ends, a section (2, 3) with a diameter that is enlarged compared to that of the middle area (4) of the bearing inner part (1). The invention is characterized in that a channel support (11) with chambers (5, 5') for the damping medium is arranged between the sections (2, 3) of the bearing inner part (1) which have enlarged diameters. Said channel support is comprised of an inner sleeve (13), of an elastomer (14) joined to the inner sleeve by vulcanizing, and of a channel ring (15) which surrounds the inner sleeve (13) and the elastomer and which is joined to them also by vulcanizing. At least one groove is provided in the outer contour of said channel ring which forms at least one channel (12) between the channel ring (15) and the bearing sleeve (10).

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