

Title (en)
ROLLER BEARING JOINT

Title (de)
WÄLZLAGERGELENK

Title (fr)
ARTICULATION DE PALIER A ROULEMENT

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Abstract (en)
[origin: WO0163134A1] The invention relates to a roller bearing joint, comprising a first joint piece (1) and a second joint piece (2), which may be rotated, at least to a limited extent, about an axis, relative to the first joint piece (1), two coaxial roller bearings (4, 5) arranged between the first and the second joint pieces (1, 2), with an axial separation from each other. Said roller bearings (4, 5) each comprise an inner and an outer track, whereby the outer tracks of both bearings are connected to the first joint piece (1) and the inner tracks of both roller bearings (4, 5) are connected to the second joint piece. According to the invention, a roller bearing joint, with the properties mentioned in the introduction, which is easily and quickly assembled and guarantees an exact bearing mount without fine adjustment may be achieved, whereby two inner and two outer bearing shells (6', 7'), which are at least partly tightly fitted to the components forming the bearing tracks, or, optionally, are formed in one piece with the bearing tracks. The two outer bearing shells (6, 6') are fixed to the first joint piece (1) and the two inner bearing shells (7, 7') are fixed to the second joint piece (2). The bearing tracks of one of the bearings (4) are fixed to the corresponding outer bearing shell (6') and also to the corresponding inner bearing shell (7') in an axial direction, while the other of the bearings (5) is only axially fixed to one of the corresponding outer or inner bearing shells (6, 7) and may move axially relative to the remaining bearing shells (7, 6) with a preferably tight sliding fit.

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