

Title (en)
BEARING ARRANGEMENT AND PARABOLIC TROUGH COLLECTOR

Title (de)
LAGERANORDNUNG SOWIE PARABOLRINNENKOLLEKTOR

Title (fr)
ENSEMBLE PALIER ET COLLECTEUR CYLINDRO-PARABOLIQUE

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Application
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Abstract (en)
[origin: WO2013167320A1] The invention relates to a bearing arrangement (1), in particular for bearing the carrying shaft (30) of a parabolic trough collector (26), comprising a disc- or ring-shaped component (3), at least one support roller (5), which radially fixes the component (3) and on which the component (3) rolls on the circumferential side during rotation about a rotation axis (2), and a carrying structure (6), on which the support roller (5) is mounted by means of a radial sliding bearing (8). According to the invention, the lateral surface (12) of the support roller (5) which receives the component (3) has a convex curve in the axial direction. The invention further relates to parabolic trough collector (26) mounted on a plurality of such bearing arrangements (1).

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