

Title (en)  
ROCKER BEARING FOR HEAVY LOADS

Title (de)  
KIPPLAGER FÜR SCHWERE LASTEN

Title (fr)  
PALIER OSCILLANT POUR CHARGES LOURDES

Publication  
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Application  
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Abstract (en)  
[origin: US5466068A] PCT No. PCT/EP92/01311 Sec. 371 Date Jan. 6, 1994 Sec. 102(e) Date Jan. 6, 1994 PCT Filed Jun. 11, 1992 PCT Pub. No. WO92/22708 PCT Pub. Date Dec. 23, 1992. An articulated bearing for the articulated transfer of heavy loads, e.g., from a bridge superstructure to a bearing pad, includes a pot connected to the bearing pad and a cover connected to the bridge. The cover extends vertically into the pot to form a sealed space vertically therebetween. A deformable, non-compressible cushioning medium (e.g., liquid or plastic) occupies the space and is loaded by the cover. Horizontal forces are withstood by a journal formed on the cover (or on the pot) and extending into a recess formed in the pot (or in the cover). The journal extends within the recess for less than the recess height to form a gap which is also occupied by the deformable medium to maximize the supporting area of that medium. A channel communicates the gap and space to equalize the pressure of the medium.

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