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Shoup et al.

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(54) **FIVE-AXIAL GROOVE CYLINDRICAL JOURNAL BEARING WITH PRESSURE DAMS FOR BI-DIRECTIONAL ROTATION**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 72 days.

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- (58) **Field of Classification Search**
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(57) **ABSTRACT**
A five-axial groove cylindrical journal bearing assembly with pressure dams designed for bi-directional rotation for rotatably supporting a rotating body provided with a babbitted inner surface. The journal bearing assembly has two pressure dams that are substantially mirror images of each other along a centerline between the pressure dams and has two pressure dams each located substantially opposite the direction of two vector loads of the journal bearing assembly.

See application file for complete search history.

20 Claims, 6 Drawing Sheets

