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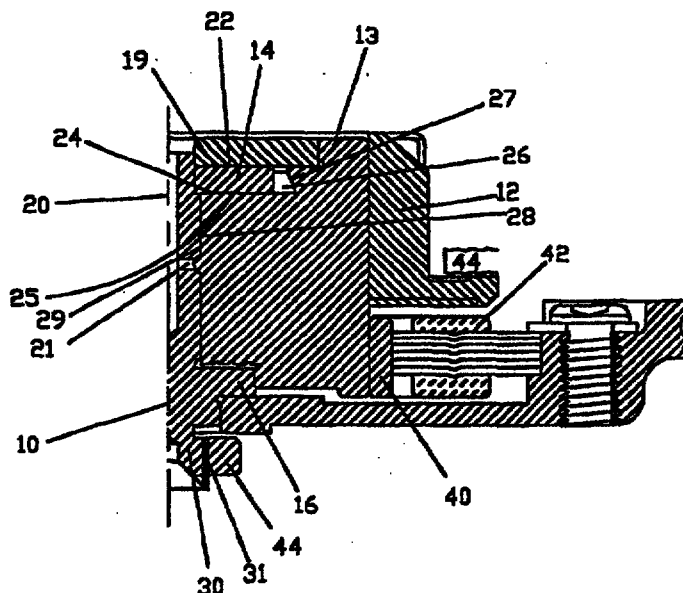
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| (21) International Application Number: PCT/US97/23640<br>(22) International Filing Date: 19 December 1997 (19.12.97)<br>(30) Priority Data: 60/044,100 24 April 1997 (24.04.97) US<br>(71) Applicant (for all designated States except US): SEAGATE TECHNOLOGY, INC. [US/US]; Building 15, 920 Disc Drive, Scotts Valley, CA 95066 (US).<br>(72) Inventors; and<br>(73) Inventors/Applicants (for US only): RAHMAN, Mohamed, Mizanur [BD/US]; 1502 Brookvale Drive #2, San Jose, CA 95129 (US). HEINE, Gunter, Karl [DE/US]; 143 Driftwood Court, Aptos, CA 95003 (US). LEUTHOLD, Hans [CH/US]; 849 Gharkey Street, Santa Cruz, CA 95060 (US). KHAN, Raquib, Uddin [BD/US]; 3703 Reflections Drive, Pleasanton, CA 94566 (US).<br>(74) Agents: SHERIDAN, James, A. et al.; Flehr Hohbach Test Albritton & Herbert LLP, Suite 3400, 4 Embarcadero Center, San Francisco, CA 94111-4187 (US). |    | (81) Designated States: CN, DE, GB, JP, KR, SG, US.<br><br>Published<br>With international search report.             |

(54) Title: BOTH ENDS OPEN FLUID DYNAMIC BEARING HAVING A JOURNAL IN COMBINATION WITH A CONICAL BEARING



(57) Abstract

A hydrodynamic bearing with shaft (10) and hub (12) in which the bearing is open at both the upper and lower ends, and in which the balance of fluid flow within the bearings is maintained.