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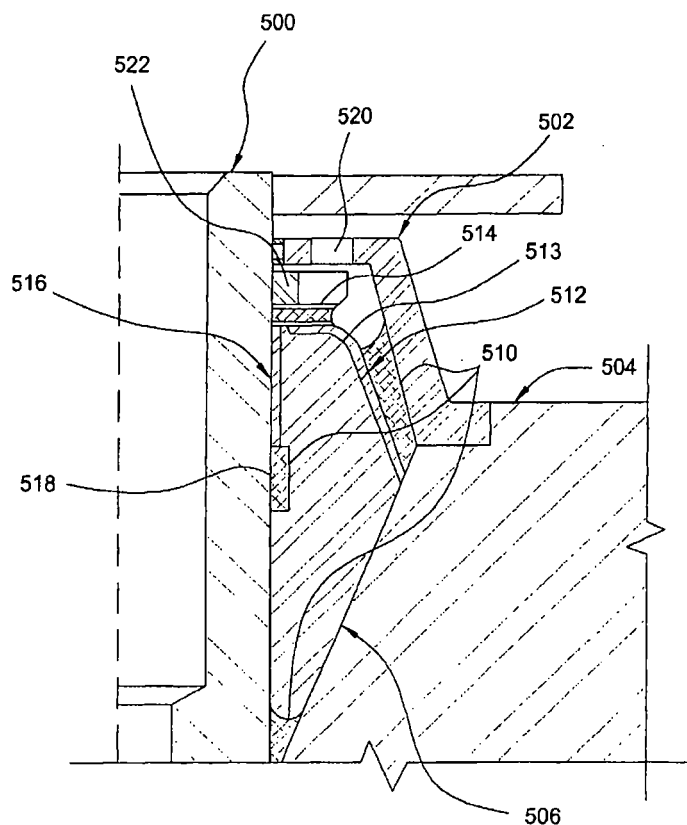
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ning of each regular issue of the PCT Gazette.

(54) Title: FLUID DYNAMIC BEARING SECONDARY CAPILLARY SEAL RESERVOIR



(57) Abstract: The present invention relates to the field of fluid dynamic bearings. Specifically, the present invention provides a secondary fluid reservoir for the fluid used in a fluid dynamic bearing in a high-speed spindle motor assembly. More specifically the invention relates to a fluid dynamic assembly for disk drive comprising an annular bearing cone (506) having a central annular opening, a bottom, a top and a middle, upper walls angling out from the top to the middle, lower walls angling out from the bottom to the middle to meet the upper walls; a bearing sleeve (504) adjacent to the annular bearing cone; a shield seal member (502) abutting the bearing sleeve and adjacent the annular bearing cone; an annular shield member (522) above the annular bearing cone; a first fluid reservoir between the annular bearing cone (506) and the shield seal member (502); a second fluid reservoir between the annular bearing cone (506) and the annular shield member (522); and capillary path means (513) between the first fluid reservoir and the second fluid reservoir.



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