

"METHOD AND APPARATUS FOR APPLYING LUBRICANT TO A
HYDRODYNAMIC BEARING"

ABSTRACT

A method, and associated apparatus, of applying fluid lubricant to a hydrodynamic bearing.

Clearance spaces of the bearing which are to be
5 filled with the fluid lubricant are evacuated. The fluid lubricant is then applied to the clearance spaces. Once the fluid lubricant has been applied to the clearance spaces, or concurrent therewith, the clearance spaces are returned to ambient
10 pressure levels. Any pockets of air, or other gas, trapped within the bearing are collapsed as the clearance spaces are returned to the ambient pressure levels. The method is amenable to a high volume, assembly line-like process wherein large
15 numbers of bearings may be filled with the fluid lubricant in a short period of time.

FIGURE 4