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(54) Title: COATING SYSTEM AND METHOD FOR FACILITATING THE CLEANING OF A HYDRODYNAMIC BEARING AND A SECONDARY SEAL STRUCTURE MADE THEREBY

(57) Abstract

A coating system (10) and method for facilitating the cleaning of hydrodynamic bearings (12) and their associated structure is effectuated by applying a surface energy lowering coating (62) to selected portions of the bearing other than the surface tension seal producing gaps (22, 24) thereof prior to a lubricant fluid (66) fill. The coating system and method of the present invention may also advantageously be utilized to produce a secondary barrier seal (64) extending a relatively short distance within and adjoining the opening of the surface tension seal producing gaps (22, 24).

