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United States Patent [19] French

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- [54] **OCEANOGRAPHIC SENSOR SUITE WET WELL SYSTEM**
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- [73] Assignee: **The United States of America as represented by the Secretary of the Navy, Washington, D.C.**
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[57] ABSTRACT

A wet well sensor system includes a housing member having a fluid inlet and a fluid outlet, each formed in a wall of the housing member. A wet well member is positioned within the housing. The wet well includes a canister portion, a cavity formed within the canister, an inlet port formed in an end wall of the canister and an outlet port formed in the same end wall thereof, a plurality of sensor members formed within the wet well canister, each of the plurality of sensors having a dry cable for supplying sensed information to a location exterior of the wet well canister and interior to the housing member. Finally, there are provided braces for stationarily mounting the plurality of sensor members within the wet well and a pump system for circulating fluid from the fluid inlet to the fluid outlet of the housing member and intermediately through the wet well canister such that fluid sensing is entirely contained within the wet well canister.

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15 Claims, 4 Drawing Sheets

