

Title (en)

REDUNDANT ARRAY CONTROL SYSTEM FOR WATER RIDES

Title (de)

REDUNDANTES KONTROLLSYSTEM FÜR WASSERRUTSCHEN

Title (fr)

SYSTEME DE COMMANDE D'UN ENSEMBLE REDONDANT DE DISPOSITIFS POUR PARCOURS AQUATIQUES DE LOISIRS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9966131A2] A redundant array pumping system (10) and associated control and diagnostics system (300) is provided for water rides (90) for ensuring continuous and non-disruptive supply of water. The pumping system (10) incorporates a redundant pump and filter array (12) in conjunction with a nozzle system (N1-N11) for injecting water onto a ride surface (70). The nozzle system may incorporate a plurality of redundant or quasi-redundant nozzles or jets (J1-J11). The hydraulic pumping system (10) can include many levels of redundancy as applied to its various components, such as pumps (P1-P12), filters (F1-F12) and nozzles (N1-N11). Additionally, the system can be equipped with a plurality of pressure and flow sensors (PS, FS) for monitoring and controlling the performance of the pumps (P1-P12), filters (F1-F12) and nozzles (N1-N11) of the pumping system (10).

IPC 8 full level

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