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OXIDATION DITCH APPARATUS

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Abstract

In order to shorten the time for stop-operation, the apparatus is provided, by eliminating the actions of draining and re-filling water to the water tank for inspection and maintenance of aerator by diffused air. A hoist is mounted to the tank body. An aerator by diffused air is fixed to a base structure. A base structure (aerator by diffused air) is suspended from the hoist to allow bringing-up and -down thereof. During maintenance and inspection of the aerator by diffused air, the hoist brings-up the base structure (aerator by diffused air) above the water level. Thus, the maintenance and inspection of the aerator by diffused air can be given without draining the water tank. Furthermore, in order to provide an oxidation ditch apparatus using a fine bubble aerator by diffused air to attain further increased oxygen dissolving efficiency. An oxidation ditch apparatus has a circulation water channel, a circulation flow generator, and a fine bubble aerator by diffused air, mounted to the bottom section of the circulation water channel, wherein the fine bubble aerator by diffused air is located at distances of 1.5 m or more from the circulation flow generator.

Figure 1