

HIGHLY PURIFICATION SYSTEM USING AN ENCLOSED WATER AREA, THE "UTSURO"

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In a water area, which has change of water level like tidal flow, the contact-oxidizing bank that has many voids is called the purifying bank. And we call an area that is enclosed by a purifying bank the "UTAURO". When the water level outside the area goes down, the water inside the "UTSURO" flows out through the purifying bank, then the water will be purified by the bank. In the area outside of the "UTSURO", the purified water will be diffused by waves and currents. Then the water outside of the "UTSURO" is not clean enough. We established a larger enclosed area of water that was made by the bank, Riparian and shallows outside the "UTSURO". Then the purified water can remain in the larger enclosed area. As the water level outside the "UTSURO" goes up, the purified water flows into the "UTSURO" through the bank once again and the water inside the "UTSURO" will have a higher quality. It is possible to highly purify the water inside the "UTSURO" by repeating this operation.