

수중 소음제어 기술의 최근 연구동향

Recent Developments in Underwater Noise Control Technology

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ABSTRACT

Noise control in underwater environments is an entirely different beast from its airborne counterpart, partly because of the orders-of-magnitude difference in density and compressibility between water and air. One of the most popular systems ever used for (passive) noise reduction under water is an anechoic coating known as "alberich," which was developed by the German during the Second World War and are still used today in naval applications. This talk looks back on some recent developments in underwater noise control, ranging from acoustic metamaterials to active noise control techniques, specifically geared to achieving underwater invisibility.

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