# Flow-Permeable Breakwater Structure


## Abstract

The present invention relates to a flow-permeable breakwater structure and is adapted to obtain a sufficient level of wave-damping effects particularly upon long-wavelength waves with a smaller scale of structure than in the prior art. A submerged horizontal plate 1 located under a water surface and an orthogonal flat plate 2 erected at around an end of the submerged horizontal plate 1 on the downwave or upwave side are supported by a supporting frame 4 erected on a sea bottom, the orthogonal flat plate 2 being disposed in such a manner as to substantially intersect the advancing direction of an incoming wave W and pass through the water surface. As a result of this, the above-mentioned wave-damping effects are obtained and the manufacturing cost of the wave damper structure is decreased and, in addition, it is also possible to enhance the transmission characteristic of water flow at around the damper structure, i.e., to smooth the inflow and outflow of water into and from a water area to be calmed.


"Fig. 1 is to accompany the abstract when published"