

PECULIARITIES AND REQUIREMENTS OF THE UNDERWATER CONSTRUCTIONS FOR CAPTURING AND UTILIZATION OF NATURAL GAS SPRING

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An the shallow water area of the northwestern part of the Bulgarian Black Sea shelf natural gas springs (92-96% methane) are known to exist.

It is known that methane emerging to the surface evaporated in the upper layers of the atmosphere and with carbon dioxide make to pollute her (the so called “green house effect”). From the other side the methane represents an alternative ecological clearly fuel.

An underwater construction for capturing of the natural gas springs and a method for mounting the same structure are patented (BG62499B1 and BG61880B1).

After researching many constructions including literature sources, especially patents and having in mind the specific conditions of places, where underwater gas spring had been found, was determined the requirements corresponding to the capture constructions.

The possible applications of the proposal construction are shown.

