

ABSTRACT**Method for Predicting at Least One Movement of a Ship under the Effect of a Swell**

The method consists of: A step of estimating a direction (D) of propagation of the swell and a propagation speed of the swell, a step of measuring the development of a characteristic value of the swell at at least one measuring point (P) upstream of the ship in the direction of propagation (D) by periodically measuring the value, a step of detecting a lull in the swell at the measuring point (P) using a measurement of the development of the characteristic value, including a measurement of a duration of a lull detected, and if a lull in the swell is detected at the measuring point (P): a step of calculating a time interval between the detection of the lull in the swell at the detected measurement point (P) and a moment in which the lull affects the movement of the ship (N), carried out, in particular, depending on the estimated speed of propagation of the swell.

Fig. 1