

Abstract

Method and Device for Determining Target Parameters

5 The invention relates to a method for determining target parameters by the direction-selective reception of sound waves which are emitted or transmitted by a target, with an array of waterborne-sound sensors (20)
10 of a sonar receiving system. Bearing angle differences are determined from estimated bearing angles $Best$, which are determined from estimated positions of an assumed target track $Z(i, j)$ of the target, and from bearing angles $Best$ measured by the array (20). At
15 least one support value is determined from a set of possible support values, said support value being used to determine a respective evaluation quantity $Q(i, j)$ for one or more target tracks $Z(i, j)$, wherein the evaluation quantity $Q(i, j)$ is determined from the
20 bearing angle differences associated with the respective target track and at least one support value. A best target track Z_{best} having associated target parameters is determined on the basis of said evaluation quantities $Q(i, j)$, wherein said associated
25 target parameters are output as the target parameters to be determined. The invention further relates to a device for carrying out the method according to the invention.