

ABSTRACT

Provided is a bell mouth design method whereby a bell mouth shape suitable for a ship type can be designed easily without depending on specific craftsmen. The bell mouth design method of the present invention has an initial shape setting step (Step 1) for setting the initial shape of the bell mouth 4; a three-dimensional model creation step (Step 2) for creating the three-dimensional model of the bell mouth 4 and other parts on a computer; a preliminary shape modification step (Step 3) for modifying the outer peripheral shape of the three-dimensional model of the bell mouth 4 so as to be rotatable when the anchor 3 contacts the initial shape of the bell mouth 4; a mechanical analysis step (Step 4) for performing a mechanical analysis of the condition of the anchor 3 being housed using the three-dimensional model of the bell mouth 4 and other parts on a computer; a determination step (Step 5) for checking whether the results of the mechanical analysis satisfy predetermined conditions; and a shape modification step (Step 6) for modifying three-dimensional model of the bell mouth 4 on the computer on the basis of results of the mechanical analysis

FIG. 1