

LIFT GENERATOR

ABSTRACT

A lift generator (10) is positioned in front of a propeller (3) of a ship (1). The lift generator (10) includes a wall part (7) extending in the circumferential direction around an extension line (Ce) of the central axis (C) of the propeller (3). A flow path penetrating the wall part (7) in the direction of the extension line (Ce) is formed inside the wall part (7). In an airfoil, an outer side surface forming an outer circumferential surface (7a) of the wall part (7) is curved inward so as to form a recess. The airfoil satisfies $|dt/dx| \leq 0.15$ over the entire range from a set position, at which the airfoil has a maximum thickness, to the trailing edge, wherein dx represents the minute change amount of a position coordinate x in the blade chord direction of the airfoil, dt represents the minute change amount of a thickness t with respect to dx, and $|dt/dx|$ represents the magnitude of dt/dx.

[FIG. 1A]