

Title (en)

FLOW-GUIDING SYSTEM FOR A SHIP PROPULSION SYSTEM

Title (de)

STRÖMUNGSFÜHRUNGSSYSTEM FÜR EIN SCHIFFSANTRIEBSSYSTEM

Title (fr)

SYSTÈME DE GUIDAGE D'ÉCOULEMENT POUR SYSTÈME DE PROPULSION DE NAVIRE

Publication

**EP 4155190 A1 20230329 (EN)**

Application

**EP 21198673 A 20210923**

Priority

EP 21198673 A 20210923

Abstract (en)

The invention relates to a flow-guiding system (10) for a ship propulsion system, the flow-guiding system comprising a flow-guiding device (1) and a propeller (2), the flow-guiding device (1) being positioned upstream of the propeller (2), wherein the flow-guiding device (1) comprises at least one flow-guiding element (4a, 4b, 4c, 5a, 5b) for changing - during operation - the flow pattern of an upstream water flow (F1) from upstream of the flow-guiding element (1) to the propeller (2) so that it increases the angle of attack of the incoming water flow (F2) of blades (3) of the propeller (2) and / or generates at least one vortex (V1, V2, V3) in the incoming water flow (F2) of the blades (3) of the propeller (2)

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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