

ABSTRACT**Ship provided with at least one shaft line
equipped with a helical pump propeller**

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The present invention relates to a ship, especially a passenger ship, which is provided with at least one shaft line (3) equipped with a propeller consisting of a helical pump (4) comprising a rotor (42), one or more stators (40) and a nozzle (41), characterised in that its hull (2) has, substantially opposite said
10 helical pump (4), a concave form (C) and the curve (I) delimiting this concave form, according to a longitudinal and vertical cut plane (I-I) passing through the centre of rotation of the rotor (42), has two points of inflexion (PI1, PI2), one (PI1) located upstream and the other (PI2) downstream of said helical pump (4), and a
15 tangent (T) parallel to the axis (X-X') of the shaft line (3), a tangent located upstream of said helical pump (4).

Figure 1