

Abstract

The invention relates to a sail-propulsion element, comprising a mast (3), an inflatable sail (1) consisting essentially of two substantially fluidtight adjacent surfaces (4a, 4b) joined together along their periphery, thus forming between
5 them at least one cavity closed around the mast (3), said sail comprising an upper part, a lower part, a leading edge (6) and a trailing edge (7), at least one air conduit positioned between the inside and the outside of the cavity of the sail, at least one means for injecting air into said cavity, the sail once inflated having a profile that remains permanently symmetrical, irrespective of the
10 movement of said propulsion element, or of the direction or strength of the wind, a headboard positioned on the upper part of the sail, and a sail receptacle positioned between the leading edge and the trailing edge on the lower part of the sail. The element is characterized in that the sail comprises a plurality of cells (5) in the direction of the span of the sail, each cell (5) extending from the
15 leading edge (6) to the trailing edge (7), said cells (5) being spaced apart by ribs made of a first soft material.

Figure for the abstract: Figure 3