CLAIMS

1. Propulsion system for vessels, comprising at least one suction sail (3), said at least one suction sail (3) comprising a suction system (10) and a transmission unit (8) to drive the rotation of said suction sail (3),
wherein the suction sail (3) comprises at least two suction zones (7) arranged symmetrically on two sides of the suction sail (3), said suction zones (7) comprising variable suction means,
characterized in that said variable suction means are holes of the suction zones (7) of different dimensions.

2. Propulsion system for vessels according to claim 1, wherein said variable suction means comprise a housing (19) in at least one of the suction zones (7), which divides each suction zone (7) into sections.

3. Propulsion system for vessels according to any one of the preceding claims, in which at least one of the suction zones (7) is arranged on a flap (6).

4. Propulsion system for vessels according to claim 3, wherein the, or each, suction zone (7) arranged in the flap (6) comprises a housing (19).

5. Propulsion system for vessels according to any one of the preceding claims, comprising more than one suction system (10) associated with different suction zones (7).

6. Propulsion system for vessels according to claim 2 or 4, wherein each housing (19) is associated with a suction system (10).

7. Propulsion system for vessels according to claim 3, wherein the suction zone (7) located on the flap (6) comprises its suction system (10) also located on the flap (6).