

Title (en)

Device with at least one aerodynamically shaped element with changeable geometry, incorporating a control system of the boundary layer.

Title (de)

Einrichtung mit mindestens einem aerodynamischen Formteil mit veränderlicher Geometrie, die ein Grenzschicht-Kontrollsystem beinhaltet.

Title (fr)

Dispositif comprenant au moins un élément de forme aérodynamique à géométrie modifiable, intégrant un système de contrôle de la couche limite.

Publication

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Application

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Priority

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Abstract (en)

The element (3) may be a set of sails (3), for example, having at least one aperture (68) for creating an air passage from the windward face to the leeward face and guidance means (4ab, 4bc) for directing the air emerging from the said aperture, on the leeward side, and giving it a direction tangential to the said element. According to the invention, the aperture (68) and the said guidance means (4ab, 4bc) are created temporarily and adjusted by changing the position and/or the geometry of at least a part and/or an area (3a,3b; 3b,3c) of the said device, and the device furthermore comprises means (5-10, 12, 36, 40, 51, 48, 45) suitable for adjusting the geometry of the said element, at least in terms of the shape and concavity of the camber. <IMAGE>

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CPC (source: EP US)

B63H 9/06 (2013.01 - EP US); **B63H 9/061** (2020.02 - EP US); **B63H 8/20** (2020.02 - EP US)

Citation (search report)

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