

Abstract**Control surface element for an airplane**

The invention relates to a control surface element (4) for an airplane, in particular a spoiler, comprising a composite fiber element (3) that has a surface (8) around which air flows, a mounting device (5) for movably mounting the composite fiber element (3) on a structural component, and a reinforcing structure (9) for reinforcing the composite fiber element (3). The reinforcing structure (9) comprises at least one reinforcing element (10) which is integrally formed with the composite fiber element (3). The reinforcing structure (9) comprises a primary reinforcing element (10) which is designed to receive main loads and which is connected to at least one secondary reinforcing element (11; 11', 11'') that is designed to receive secondary loads. The composite fiber element (3) comprises a recess (15) for integrally forming the primary reinforcing element (10).

Fig. 1