

Title (en)

PNEUMATIC GLIDING WING FOR A FREEFALL JUMPER

Title (de)

PNEUMATISCHER GLEITFLÜGEL FÜR FREIFALL-SPRINGER

Title (fr)

AILE PLANANTE PNEUMATIQUE POUR SAUTEUR EN CHUTE LIBRE

Publication

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Application

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Abstract (en)

[origin: WO03045781A1] The invention relates to a pneumatic gliding wing (1) for a freefall jumper (2), comprising a rigid part (3) which is made of, for example, a composite material such as GFK or CFK. Said rigid part is provided with a recess (5) for a parachute (6) for the jumper (2) and contains a device for supplying and administering compressed gas. Said rigid part has a pocket (7) with a closure (8) and eyelets (9) for the parachute of the pneumatic gliding wing (1) which is arranged on the side orientated towards the jumper (2). A cord (10) is drawn through the eyelets (9) and can, for example, be secured to a leg of the jumper (2). Outer parts (4) which can be impinged upon with pressurised gas are secured to the outer rigid part (3) of the pneumatic gliding wing (1) and are activated only when the jumper has left the aeroplane. When the gliding phase has finished, the jumper opens the parachute (6) and so long as this is done, the jumper opens a discharge valve on the outer parts (4) which fold back, whereupon the jumper can land in the normal way with the parachute (6).

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