

Title (en)

DEVICE FOR ANGULAR POSITIONING OF A VANED ANGLE-OF-ATTACK SENSOR ON AN AIRCRAFT WALL

Title (de)

VORRICHTUNG ZUR WINKELJUSTAGE FÜR EINE ALS SCHWENKFLÜGEL AUSGEBILDETE ANSTELLWINKELSONDE AUF EINER LUFTFAHRZEUGSWANDUNG

Title (fr)

DISPOSITIF DE POSITIONNEMENT ANGULAIRE D'UNE SONDE D'INCIDENCE A GIROUETTE MOBILE SUR UNE PAROI D'AERONEF

Publication

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Application

EP 00990834 A 20001228

Priority

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Abstract (en)

[origin: FR2803387A1] The invention concerns a device for the <i>in situ</i> angular positioning of an angle-of-attack sensor, of the vane type provided with a flag (121) and fixed on an aeroplane (Av). The invention is characterised in that it consists in directly using the rotation axis DELTA s of the sensor (12) as positioning reference. The angular positioning device comprises a fixed annular structure (3) secured (33-330-331, 34-340-341) to the wall of the aeroplane (Av), comprising a circular track (31, 32) for a mobile cursor (4). The flag (121) is locked in an enclosing structure (5a). A member (7) coupling the cursor (4) and the enclosing structure (5a) is fixed thereon. The coupling is provided by a flat spring clip (71) comprising a pin (72) on its end. The pin (72) is passed through a slot (412) of the cursor (4), thereby enabling the flag (121) to be driven about its axis of rotation (DELTA s). The position is measured with a digital inclinometer (6).

IPC 1-7

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