

Title (en)
MULTIPURPOSE SENSOR FOR AIRCRAFT

Title (de)
MEHRZWECKSENSOR FÜR FLUGZEUGE

Title (fr)
SONDE MULTIFONCTION POUR AERONEF

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Application
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Abstract (en)
[origin: WO03050496A2] The invention concerns a multipurpose sensor for aircraft. The sensor comprises means for measuring total pressure (Pt) and means for measuring total temperature (Tt) of an air stream surrounding the aircraft. The means for measuring total pressure (Pt) comprise a first tube (20) called Pitot tube oriented substantially along the axis of the air stream surrounding the aircraft. The first tube (20) is located inside a second tube (25). The invention also concerns a method for forming a heating wire (39) forming deicing means for the multipurpose sensor. The method consists in: helically winding the heating wire (39) around a first mandrel (40); inserting the first mandrel (40) inside a second hollow mandrel (42); proceeding with the winding of the heating wire (39) around the second mandrel (42); placing the heating wire (39) thus formed inside the two tubes (20 and 25) and fixing it therein.

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