

Title (en)
SYSTEM AND METHOD FOR MONITORING DISPLACEMENTS OF POINTS ON A SURFACE OF A PART OF AN AIRCRAFT OR SPACECRAFT

Title (de)
SYSTEM UND VERFAHREN ZUR ÜBERWACHUNG DER VERSCHIEBUNGEN VON PUNKTEN AUF EINER OBERFLÄCHE EINES TEILS EINES LUFT- ODER RAUMFAHRZEUGS

Title (fr)
SYSTÈME ET PROCÉDÉ DE SURVEILLANCE DE DÉPLACEMENTS DE POINTS SUR LA SURFACE D'UNE PIÈCE D'AÉRONEF OU D'ENGIN SPATIAL

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Application
EP 22829604 A 20221209

Priority
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Abstract (en)
[origin: WO2023111793A1] The system (10) for monitoring displacements (Di) of points (Pi) on a surface (S) of a part (C) of an aircraft or spacecraft comprises: reference elements (16) arranged at a respective point (Pi); a laser telemeter (12) to emit a beam (20) to scan the surface (S); when the beam (20) is reflected by a reference element (16), to measure a respective reflection parameter (Xi) and to generate a signal representative of the distance (di) of the reference element (16) from the laser telemeter (12); an electronic control unit (18) configured for, for each point (Pi), determining an end position (Li') by processing a signal representative of the initial position (Li), the signal representative of the distance (di) of the reference element (16), and signals representative of the value of a first angular coordinate (Ai) and a second angular coordinate (Bi) indicative of the direction of the beam (20).

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