

Title (en)
SYSTEM AND METHOD FOR DETECTING AN APPLICATION OF PRESSURE AT THE SURFACE OF AN OBJECT BY FORCE MEASUREMENT

Title (de)
SYSTEM UND VERFAHREN ZUR ERKENNUNG EINES ANGELEGTEN DRUCKS AUF DER OBERFLÄCHE EINES OBJEKTES MITTELS KRAFTMESSUNG

Title (fr)
SYSTÈME ET PROCÉDÉ DE DÉTECTION D'UNE APPLICATION DE PRESSION EN SURFACE D'UN OBJET PAR MESURE DE FORCE

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Application
EP 16788134 A 20161031

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Abstract (en)
[origin: WO2017076789A1] The invention pertains to a system (1) for detecting an application of pressure on a surface of an object (0), comprising a support of the object equipped with at least one sensor of force and of torque (2-4), and a processing unit (5) configured to calculate, on the basis of the measurements of the at least one force and torque sensor, the coordinates of a straight line in space passing through a point of application of pressure on the surface of the object. The processing unit determines, by means of a ray-tracing calculation, whether an elementary facet of a geometric model of the surface of the object representing said surface according to a mesh of elementary facets intercepts the straight line passing through the point of application of pressure.

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