

Title (en)
ABSOLUTE 720° INCLINOMETER ABLE TO OPERATE IN MICROGRAVITY

Title (de)
ABSOLUTER 720°-NEIGUNGSMESSEUR FÜR DEN BETRIEB IN DER MIKROGRAVITATION

Title (fr)
INCLINOMÈTRE ABSOLU 720° POUVANT FONCTIONNER EN MILLI-GRAVITÉ

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Application
EP 20737236 A 20200514

Priority
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• FR 2020050803 W 20200514

Abstract (en)
[origin: WO2020234529A1] The present description relates to a device (7) for recognising the attitude of an object, characterized in that it comprises: a sphere (11) comprising a wall (13) able to let a light flux at least partially pass; a ball (17), moveably mounted inside said sphere (11); an image-acquiring device (19), arranged in said attitude-recognising device (7) to acquire a two-dimensional image of the ball (17) and of the sphere (11); a device (21) for emitting a light flux, arranged in said attitude-recognising device (7) to emit a light flux in the direction of said sphere (11); an image-processing device (23) that is connected to the image-acquiring device (19), controlled by an image-processing algorithm and designed to control the device (21) for emitting a light flux, with a view to collecting said image acquired by said image-acquiring device (19) and to determining, from said image (29), a gravity vector (G) having as origin the centre (Os) of the sphere (11) and as end the centre (OB) of the ball (17).

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