

Title (en)
BENCH FOR MECHANICAL CHARACTERISATION OF THIN OBJECTS

Title (de)
BANK ZUR MECHANISCHEN CHARAKTERISIERUNG VON DÜNNEN OBJEKTEN

Title (fr)
BANC DE CARACTERISATION MECANIQUE D'OBJETS MINCES

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Application
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Abstract (en)
[origin: WO2021123602A1] The invention relates to a bench for mechanical characterisation of a battery cell by applying a compression force, comprising a frame (2) having a first compression plate (10), a movable element (4) having a second compression plate opposite the first compression face, a compression spring (7) for applying a compression force to the cell between the first and second compression plates, a force sensor (18) inserted between the movable element (4) and the spring, movement sensors (16) measuring the movement between the first and second compression plates. The first compression plate comprises a projecting compression zone (ZC) with an area equal to a portion of interest of the cell and the frame (2) comprises a recess (30) surrounding a thicker frame zone in the frame forming a pedestal (32) that supports the first compression plate (10).

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