

Abstract

A device (100) for determining the location of a pelvis (50) of a person (10), comprising at least one first pressure transmission element (21) designed for absorbing a sitting pressure/contact pressure exerted by the coccyx (51)/pubic bone of the person and at least one second pressure transmission element (22) designed for absorbing a contact pressure exerted by the sacrum (52) of the person (10) and an evaluation unit (30), the evaluation unit (30) being designed for performing the following steps: receiving measuring signals from the pressure transmission elements and evaluating them; determining a first characteristic pressure distribution (65) in which, during a rotation of the person's pelvis around his or her horizontal axis, the first pressure transmission element is charged with a sitting pressure of the coccyx or the first pressure transmission element is charged with at least part of the contact pressure of the pubic bone; and determining a second characteristic pressure distribution (66) in which the sitting pressure of the coccyx exerted on the first pressure transmission element exhibits a sudden drop and the contact pressure of the sacrum exerted on the second pressure transmission element exhibits a sudden rise.

Fig. 1b