

Title (en)
APPARATUS FOR CAPTURING MOVEMENTS OF A PERSON USING THE APPARATUS FOR THE PURPOSES OF TRANSFORMING THE MOVEMENTS INTO A VIRTUAL SPACE

Title (de)
VORRICHTUNG ZUR ERFASSUNG VON BEWEGUNGEN VON EINER DIE VORRICHTUNG BENUTZENDEN PERSON ZUM ZWECK DER TRANSFORMATION DER BEWEGUNGEN IN EINEN VIRTUELLEN RAUM

Title (fr)
DISPOSITIF DE DÉTECTION DE MOUVEMENTS D'UNE PERSONNE UTILISANT LEDIT DISPOSITIF AUX FINS DE LA TRANSFORMATION DE MOUVEMENTS DANS UN ESPACE VIRTUEL

Publication
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Application
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Priority

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Abstract (en)
[origin: WO2018146231A1] An apparatus for capturing movements of a person using the apparatus for the purposes of transforming the movements into a virtual space, comprising a seat (110; 210; 410), sensors that capture the movements of the feet of the person using the apparatus, and cyber foot slip-ons (50a; 50b; 50c; 50d) for receiving at least one of the sensors. The seat (110; 210; 410) has a support element (103; 203) that is configured so that a seat element (105; 205), on which the person using the apparatus can sit, is fastenable to an upper part of the support element (103; 203) and the load of the seat element (105; 205) is substantially absorbed along a vertically arranged longitudinal axis of the support element (103; 203) and forwarded downward into a base. The seat (110; 210; 410) is embodied to be rotatable in relation to the base and is formed in such a way that at least a movement of the legs from the knees to the distal end of the legs of the person using the apparatus is possible. The cyber foot slip-ons (50a; 50b; 50c; 50d) each have a sole (58; 71) and fastening means (61; 62; 74; 76), with which the cyber foot slip-ons (50a; 50b; 50c) are fastenable to the legs of the person using the apparatus. The sole (58; 71) of the cyber foot slip-ons (50a; 50b; 50c; 50d) is arched in such a way that, when the legs of the person using the apparatus move, a continuous sliding rolling movement of the feet of the person using the apparatus is possible.

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