

Title (en)  
RECOGNITION OF GESTURES OF A HUMAN BODY

Title (de)  
ERKENNUNG VON GESTEN EINES MENSCHLICHEN KÖRPERS

Title (fr)  
RECONNAISSANCE DE GESTES D'UN CORPS HUMAIN

Publication  
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Application  
**EP 14786612 A 20141017**

Priority  
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Abstract (en)  
[origin: WO2015055320A1] The invention relates to a method for recognition of gestures of a human body (10) by means of a depth camera device (110), comprising the following steps: a) generating a point cloud (20) by means of the depth camera device (110) at a first point in time (t1) as initial image (IB), b) evaluating the initial image (IB) for recognition of body limbs (12) of the body (10), c) setting at least one articulation point (14) having a degree of freedom of rotation defined by a rotation angle ( $\alpha$ ) in relation to at least one recognized body limb (12), d) generating a point cloud (20) by means of the depth camera device (110) at a second point in time (t2) after the first point in time (t1) as subsequent image (FB), e) evaluating the subsequent image (FB) with regard to at least one recognized body limb (12) and the at least one set articulation point (14) from the initial image (IB), f) determining the rotation angle ( $\alpha$ ) of the at least one articulation point (14) in the subsequent image (FB), g) comparing the determined rotation angle ( $\alpha$ ) with a rotation angle specification (RV), h) recognizing a gesture upon correlation between the determined rotation angle ( $\alpha$ ) and the rotation angle specification (RV).

IPC 8 full level  
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Citation (search report)  
See references of WO 2015055320A1

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