

Title (en)

METHOD AND SYSTEM FOR ANALYSING BIOMECHANICAL ACTIVITY AND EXPOSURE TO A BIOMECHANICAL RISK FACTOR ON A HUMAN SUBJECT IN A CONTEXT OF PHYSICAL ACTIVITY

Title (de)

VERFAHREN UND SYSTEM ZUR ANALYSE BIOMECHANISCHER AKTIVITÄT UND EXPOSITION GEGENÜBER EINEM BIOMECHANISCHEN RISIKOFAKTOR BEI EINEM MENSCHLICHEN PROBANDEN IN EINEM KONTEXT DER KÖRPERLICHEN AKTIVITÄT

Title (fr)

PROCEDE ET SYSTEME POUR L'ANALYSE DE L'ACTIVITE BIOMECHANIQUE ET L'EXPOSITION A UN FACTEUR DE RISQUE BIOMECHANIQUE SUR UN SUJET HUMAIN DANS UN CONTEXTE D'ACTIVITE PHYSIQUE

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Application

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Abstract (en)

[origin: WO2021028641A1] The invention relates to a method for analysing the biomechanical activity of a human subject and the exposure to a biomechanical risk factor in a context of physical activity, which comprises collecting signals from sensors of one or more muscles of the subject, collecting signals representing the movement of the subject, and processing these signals to extract signals representative of the vibratory behaviour of the muscle or muscles of the subject. This method also comprises detecting a drift of the vibratory signals in relation to a frame of reference of the vibratory behaviour of said muscle or muscles in the context of physical activity, and predicting a physiological break time necessary for the subject's muscles to recover their reference vibratory behaviour.

IPC 8 full level

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Citation (search report)

See references of WO 2021028641A1

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