

Title (en)

APPARATUS AND METHOD FOR PREDICTING REDISTRIBUTION OF BODY VOLUME

Title (de)

VORRICHTUNG UND VERFAHREN ZUR VORHERSAGE DER UMVERTEILUNG EINES KÖRPERVOLUMENS

Title (fr)

APPAREIL ET PROCÉDÉ POUR PRÉVOIR UNE REDISTRIBUTION DU VOLUME CORPOREL

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Application

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Abstract (en)

[origin: WO2012036620A1] The present invention relates to a method for simulating or predicting redistribution of the volume of a human body due to cutaneous pressure exerted by a garment worn by the human. The method comprises the steps of capturing real-time 3D range data from at least a portion of the body to be covered by the garment with a TOF sensor; modeling a before-avatar of the captured portion based on the results of the TOF range data; simulating volume redistribution by generating an after-avatar as a function of the before-avatar and the garment's tensile stress properties exerted on the body, and rendering a simulated image of how the body would appear with the garment worn. The present invention also relates to a device and a computer program product.

IPC 8 full level

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