

Title (en)
METHOD AND DEVICE FOR MEASURING A BODY

Title (de)
VERFAHREN UND VORRICHTUNG ZUM VERMESSEN EINES KÖRPERS

Title (fr)
PROCÉDÉ ET DISPOSITIF POUR MESURER UN CORPS

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EP 2089669 A2 20090819 (DE)

Application
EP 07846306 A 20071108

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Abstract (en)
[origin: WO2008055492A2] The invention relates to a method for measuring a body (9), comprising the following steps: providing a plurality of light sources (4₁) and light detectors (5₁), said light sources and light detectors being arranged especially linearly and opposite each other and being connected to respective control devices, placing the body (9) between the light sources (4₁) and light detectors (5₁) in such a manner that the body (9) is in the beam path between the light sources and the light detectors, allocating a light detector to a light source to form a light source/light detector pair, repeating step iii) for all remaining light detectors and light sources in such a manner that the beam paths of the respectively formed pairs run parallel to each other, switching the light sources from steps iii) and iv) on one by one, and measuring the light intensity by means of the correspondingly allocated light detectors from step iii), the preceding light source being switched off when the respective next light source is switched on, determining the two light source/light detector pairs on the boundaries of the body between which a beam of light may just pass, and calculating the distance of the two light sources or of the two light detectors of the light source/light detector pairs from step vi).

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