

Title (en)

METHOD FOR OPTICALLY DETECTING THE SPATIAL FORM OF INSIDE SPACES AND A DEVICE FOR CARRYING OUT SAID METHOD

Title (de)

VERFAHREN ZUR OPTISCHEN ERFASSUNG DER RAUMFORM VON INNENRÄUMEN SOWIE EINE ANORDNUNG ZUR DURCHFÜHRUNG DES VERFAHRENS

Title (fr)

PROCEDE DE SAISIE OPTIQUE DE LA FORME SPATIALE D'ESPACES INTERIEURS ET DISPOSITIF POUR REALISER CE PROCEDE

Publication

**EP 1495286 A1 20050112 (DE)**

Application

**EP 03724975 A 20030408**

Priority

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Abstract (en)

[origin: WO03087715A1] The invention relates to an economical method for detecting the spatial form of inside spaces such as of footwear, prosthesis funnels etc. According to the invention, the inner wall of the inside space is lined with a closely fitting, elastic and photogrammetrically marked coating (2), a series of overlapping images of the thus marked inside space is produced by means of at least one image generator (4), and the 3D form of the inside space is determined from said series by means of photogrammetrical methods. The invention also relates to various methods for lining the inside space and for guiding the image generators (9) into the various photographing positions, and to the type of inside spaces which can be measured.

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**G01B 11/24**; **A43D 1/06**

IPC 8 full level

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CPC (source: EP US)

**A43D 1/06** (2013.01 - EP US); **G01B 11/24** (2013.01 - EP US)

Citation (examination)

- WO 0192824 A1 20011206 - MASSEN ROBERT [DE]
- DE 10033828 A1 20020131 - MASSEN ROBERT [DE]
- WO 02074038 A2 20020926 - MASSEN ROBERT [DE]

Cited by

CN108089544A; CN106510100A

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**WO 03087715 A1 20031023**; DE 10216475 A1 20031023; DE 10216475 B4 20150326; EP 1495286 A1 20050112; US 2005168756 A1 20050804; US 7446884 B2 20081104

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