

Title (en)
PERSONAL PROTECTIVE EQUIPMENT FITTING DEVICE AND METHOD

Title (de)
ANPASSUNGSVORRICHTUNG UND -VERFAHREN FÜR PERSÖNLICHE SCHUTZAUSRÜSTUNG

Title (fr)
DISPOSITIF ET PROCÉDÉ D'AJUSTEMENT D'ÉQUIPEMENT DE PROTECTION PERSONNELLE

Publication
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Application
EP 20878557 A 20201019

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Abstract (en)
[origin: WO2021080924A1] A system and method for performing automated respirator mask fit testing are described. An example embodiment is configured to obtain, with one or more processors, at least one three-dimensional facial image of an individual; convert the facial image to numerical data for analysis, the numerical data representative of facial features, facial dimensions, and/or facial locations on the face of the individual; determine, based on the numerical data, a head form category for the individual; determine, based on the head form category and the numerical data, a face volume for the individual; and generate a mask fit pass (or fail) indication responsive to the face volume satisfying (or not satisfying) face volume fit criteria for the head form category. The principles described herein may also be applied for other personal protective equipment such as industrial head protection, eye and face protection, hand protection, and clothing.

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Citation (search report)
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• [X] US 2014278319 A1 20140918 - THIRUVENGADA HARI [US], et al
• [X] WO 2017112750 A1 20170629 - NEXTTEQ LLC [US]
• See references of WO 2021080924A1

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