

Title (en)

MOUNTING SUPPORT DEVICE FOR SUPPORTING A TECHNICIAN AT ASSEMBLY

Title (de)

HALTERUNGSVORRICHTUNG ZUR STÜTZUNG EINES TECHNIKERS BEI DER MONTAGE

Title (fr)

DISPOSITIF DE SUPPORT DE MONTAGE DESTINÉ À SUPPORTER UN TECHNICIEN LORS DE L'ASSEMBLAGE

Publication

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Application

EP 16178690 A 20160708

Priority

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Abstract (en)

According to the invention, a mounting support device and method are provided for supporting an assembly technician at mounting, in particular of an aircraft or a spacecraft. The device is in the form of a garment (2, 38) for the mounting technician, comprising: - an amount of chambers (4, 6, 72, 8), which are integrated in areas of the fabric (10) of the garment (2, 38) and which are prepared to be filled with a gas by means of a connector (12) for a gas pressure source (14); - at least one sensor (20) unit (18) being prepared to measure gas pressure in different single and/or groups of the chambers (4, 6, 72, 8); - an operations status control unit (18) for producing and/or adjusting an operations status signal and - at least one pressure control unit (18) prepared to adjust the respective gas pressure depending on the gas pressure measured in the respective chambers (4, 6, 72, 8) and depending on an operations status signal. The method, preferably by means of such device, comprises the steps of: - producing and/or receiving at least one operation status signal by means of the operations status control unit (18); - inflating and/or deflating at least one of the chambers (4, 6, 72, 8) through the connector (12) triggered by the operation status signal; - measuring the pressure in the at least one chamber (4, 6) by means of the at least one sensor (20) unit (18); and - controlling and adjusting the pressure in the at least one chamber (4, 6) by means of the pressure control unit (26) depending on the gas pressure measured in the respective chambers (4, 6, 72, 8) and depending on an operations status signal.

IPC 8 full level

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Citation (applicant)

DE 102014117432 A1 20160602 - AIRBUS OPERATIONS GMBH [DE]

Citation (search report)

- [X] US 2015307171 A1 20151029 - MAECHLER PHILIP [CH]
- [ID] DE 102014117432 A1 20160602 - AIRBUS OPERATIONS GMBH [DE]
- [A] WO 2010086781 A1 20100805 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

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