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(54) Title: ELECTRONIC TEXTILE ASSEMBLY

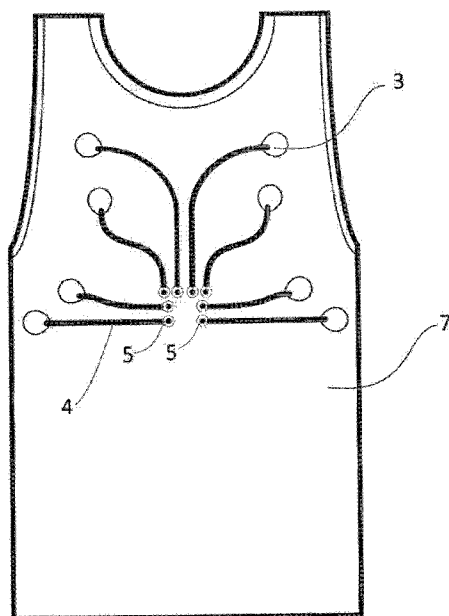


FIG. 23

(57) Abstract: The present invention relates to an assembly comprising an elastic semi-conductive or conductive track and a flexible conductive support base arranged on a fabric. The present invention also relates to the use of a silicone rubber and/or fluorosilicone rubber loaded with an electrically conductive material for the preparation of the semi-conductive or conductive track, as well as to the use of a conductive fabric, that comprises conductive fibres for the preparation of the conductive support base. It further relates to a sensor comprising the assembly, wherein one of the flexible conductive support bases there is arranged a rigid electrical component, and the non-contact area of the other flexible conductive support base is adapted to be used as an electrode, wherein the electrode is characterized in that the conductive layer comprises a plurality of orificies filled with a silicone rubber and/or fluorosilicone rubber throughout the conductive area. The present invention also relates to a device comprising the sensor, as well as a garment comprising the device.



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