

Title (en)
CONDUCTIVE FABRIC AND METHOD AND APPARATUS FOR MANUFACTURING SAME

Title (de)
LEITFÄHIGE FASER SOWIE VERFAHREN UND VORRICHTUNG ZU IHRER HERSTELLUNG

Title (fr)
TISSU CONDUCTEUR, ET PROCÉDÉ DE FABRICATION ET APPAREIL ASSOCIÉS

Publication
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Application
EP 11733073 A 20110113

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Abstract (en)
[origin: EP2524983A2] The present invention discloses to relates to an electrically conductive fabric, and a manufacturing method and an apparatus thereof, and more specifically to an electrically conductive fabric, and a manufacturing method and an apparatus thereof, wherein part of electrically conductive wire woven together into fabric is selectively exposed to the outside of the fabric to perform the tying of electrically conductive wires and the connection of various elements and modules quickly and conveniently, so that workability and productivity can be improved. The electrically conductive fabric comprises multiple strands of warps arranged lengthwise, multiple strands of wefts knitted with the warps: and at least one strand of electrically conductive wire arranged lengthwise and woven in a planar shape, wherein an electrically conductive wire weaving section in which the electrically conductive wire is knitted to the warp and/or weft to be bound monolithically to the electrically conductive fabric and an electrically conductive wire exposing section in which the electrically conductive wire is not knitted to the warp and/or weft but is exposed to the outside of the electrically conductive fabric by a predetermined length are repetitively formed.

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Citation (search report)
• [X] US 2006124193 A1 20060615 - ORR LAWRENCE W [US], et al
• [X] WO 2007071077 A1 20070628 - TEXTILMA AG [CH], et al
• [X] US 1736590 A 19291119 - GRAHAM WALTER D, et al
• See references of WO 2011087286A2

Cited by
CN103361836A; FR3022266A1; RU2649903C2; RU2649903C9; US10392728B2; US10458050B2; WO2018108999A1; WO2015193602A1; US9277684B2; WO2014163924A1

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