

Title (en)

ARTICLE OF CLOTHING INTEGRATING AT LEAST TWO INTERCONNECTED CONDUCTIVE WIRES AND CORRESPONDING INTERCONNECTION METHOD

Title (de)

BEKLEIDUNGSSTÜCK MIT INTEGRATION VON MINDESTENS ZWEI MITEINANDER VERBUNDENEN LEITFÄHIGEN DRÄHTEN UND ZUGEHÖRIGES VERBINDUNGSVERFAHREN

Title (fr)

PIECE DE VETEMENT INTEGRANT AU MOINS DEUX FILS CONDUCTEURS INTERCONNECTES ET PROCEDE D'INTERCONNEXION ASSOCIE

Publication

**EP 3914116 A1 20211201 (FR)**

Application

**EP 20705426 A 20200120**

Priority

- FR 1900559 A 20190122
- FR 2020050071 W 20200120

Abstract (en)

[origin: CA3126216A1] The invention concerns an article of clothing (10) comprising at least two conductive wires capable of transmitting an electric current, at least one conductive wire being integrated into at least one flat seam (12a); and at least one electrical interconnection between the at least two conductive wires; the electrical interconnection integrating a weld (25) between the at least two conductive wires; the electrical interconnection is protected by two layers of fabric (21-23) attached respectively above and below the electrical interconnection: a lower layer of fabric (22) secured to the article of clothing (10) above which the at least two conductive wires extend; and an upper layer of fabric (23) secured to the lower layer of fabric (22) so as to form, with the lower layer of fabric (22), a protective barrier around the electrical interconnection.

IPC 8 full level

**A41D 1/00** (2018.01); **A41D 13/005** (2006.01); **A41D 13/12** (2006.01); **A41D 31/26** (2019.01)

CPC (source: EP US)

**A41D 1/005** (2013.01 - EP US); **A41D 13/0051** (2013.01 - EP US); **A41D 13/1281** (2013.01 - US); **A41D 13/1281** (2013.01 - EP); **A41D 31/26** (2019.01 - EP); **A41D 2400/10** (2013.01 - US); **A41D 2400/12** (2013.01 - EP)

Citation (search report)

See references of WO 2020152413A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**FR 3091806 A1 20200724**; **FR 3091806 B1 20220429**; CA 3126216 A1 20200730; CN 113573605 A 20211029; CN 113573605 B 20230929; EP 3914116 A1 20211201; EP 3914116 B1 20221221; US 2022061413 A1 20220303; WO 2020152413 A1 20200730

DOCDB simple family (application)

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