

Title (en)

APPAREL WITH SELECTIVELY ATTACHABLE AND DETACHABLE ELEMENTS

Title (de)

KLEIDUNG MIT SELEKTIV FIXIERBAREN UND LÖSBAREN ELEMENTEN

Title (fr)

VÊTEMENT POURVU D'ÉLÉMENTS POUVANT ÊTRE FIXÉS ET DÉTACHÉS DE MANIÈRE SÉLECTIVE

Publication

**EP 3573487 A1 20191204 (EN)**

Application

**EP 18717806 A 20180327**

Priority

- US 201715470209 A 20170327
- US 2018024605 W 20180327

Abstract (en)

[origin: WO2018183356A1] An article (700) of apparel (100, 200, 400, 500) has a surface (704A, 704B, 708A, 708B, 712A) with a first part of a fastening system, and an attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) has an outer area with a second part of the fastening system. The first part of the fastening system is joinable to the second part of the fastening system to attach the attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) to the apparel (100, 200, 400, 500). The first part of the fastening system is also separable from the second part of the fastening system to separate the attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) from the apparel (100, 200, 400, 500). The attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) may be formed from a polymer foam material, may include a fluid-filled chamber, or may incorporate an electronic device (342), for example. In some configurations, the attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) is secured to an exterior of the apparel (100, 200, 400, 500). In other configurations, the attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) is secured between two layers (407, 507) of the apparel (100, 200, 400, 500). An article (700) of apparel (100, 200, 400, 500) has a surface (704A, 704B, 708A, 708B, 712A) with a first part of a fastening system, and an attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) has an outer area with a second part of the fastening system. The first part of the fastening system is joinable to the second part of the fastening system to attach the attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) to the apparel (100, 200, 400, 500). The first part of the fastening system is also separable from the second part of the fastening system to separate the attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) from the apparel (100, 200, 400, 500). The attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) may be formed from a polymer foam material, may include a fluid-filled chamber, or may incorporate an electronic device (342), for example. In some configurations, the attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) is secured to an exterior of the apparel (100, 200, 400, 500). In other configurations, the attachment element (111, 112, 113, 114, 115, 301, 311, 321, 331, 341, 411, 601, 611, 621, 701) is secured between two layers (407, 507) of the apparel (100, 200, 400, 500).

IPC 8 full level

**A41D 13/015** (2006.01); **A41D 13/05** (2006.01); **A41D 27/08** (2006.01); **A41D 27/12** (2006.01); **A41D 27/26** (2006.01); **A44B 18/00** (2006.01)

CPC (source: CN EP)

**A41D 1/08** (2013.01 - CN); **A41D 13/015** (2013.01 - EP); **A41D 13/0153** (2013.01 - CN); **A41D 13/05** (2013.01 - CN); **A41D 13/0562** (2013.01 - CN EP); **A41D 27/00** (2013.01 - CN); **A41D 27/26** (2013.01 - EP); **A41D 31/12** (2019.01 - EP); **A44B 18/0069** (2013.01 - EP)

Citation (search report)

See references of WO 2018183356A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2018183356 A1 20181004**; CN 110461180 A 20191115; CN 110461180 B 20211116; CN 114098184 A 20220301; EP 3573487 A1 20191204; EP 3573487 B1 20210616; EP 3900557 A1 20211027; EP 3900557 B1 20221207

DOCDB simple family (application)

**US 2018024605 W 20180327**; CN 201880022344 A 20180327; CN 202111288386 A 20180327; EP 18717806 A 20180327; EP 21179423 A 20180327