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(54) **APPAREL COMPRISING A WOUND THREAD LAYER AND METHODS OF MAKING THE SAME**

(57) Articles of apparel (100,600) and methods of making articles of apparel comprising a base layer (110) and a thread layer (120,130,140,200,220,240,620,630,640,650) defined by a thread (202,222,242) having a plurality of thread lines (204,224,244) crossing over each other at points of overlap (247) between two or more of the thread lines. Each of the thread lines extends continuously across the thread layer. Each of the thread lines is directly bonded to a surface of the base layer along at least a portion of a length of the thread line. In some embodiments, the base layer and the thread layer can define a chamber or pocket for an article of apparel.

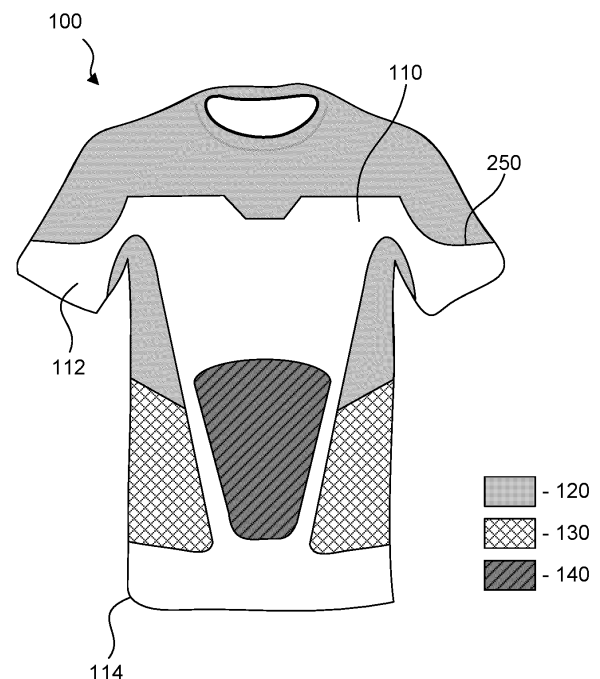


FIG. 1A

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PARTIAL EUROPEAN SEARCH REPORT

Application Number

under Rule 62a and/or 63 of the European Patent Convention.
This report shall be considered, for the purposes of
subsequent proceedings, as the European search report

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DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X A	US 2023/081164 A1 (BYUN EUNYOUNG [KR] ET AL) 16 March 2023 (2023-03-16) * abstract; figures 1-22B * * paragraphs [0032], [0040] * * paragraph [0047] - paragraph [0049] * * paragraph [0061] - paragraph [0065] * * paragraphs [0075], [0077] * -----	1-4,6,7,9,10,15 8	INV. A41D13/00 A41D27/06 A41D27/12 A41D31/14 A41D31/24
X	US 2013/219750 A1 (DOJAN FREDERICK J [US] ET AL) 29 August 2013 (2013-08-29) * abstract; figures 5A-7C,9E,10D,11-13B,18D-18G * * paragraphs [0036], [0039], [0040], [0042], [0044], [0051], [0056], [0062] * -----	1-5,9,10	ADD. A41D27/20
X	US 2019/307208 A1 (CORCORAN-TADD FIONN JONATHAN [US] ET AL) 10 October 2019 (2019-10-10) * abstract; figures 1A-20C * * paragraph [0119] - paragraph [0123] * * paragraphs [0160], [0209] * ----- -/-	1-3,7,9,10	TECHNICAL FIELDS SEARCHED (IPC) A41D A63B

INCOMPLETE SEARCH

The Search Division considers that the present application, or one or more of its claims, does/do not comply with the EPC so that only a partial search (R.62a, 63) has been carried out.

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

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Place of search	Date of completion of the search	Examiner
The Hague	27 May 2025	Thielgen, Robert
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document		

Application Number

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (IPC)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	EP 2 739 177 B1 (NIKE INNOVATE CV [US]) 1 April 2020 (2020-04-01) * paragraph [0013] - paragraph [0022]; figures 1-11D * -----	1-3,6,7,10	
			TECHNICAL FIELDS SEARCHED (IPC)

INCOMPLETE SEARCH
SHEET CApplication Number
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Claim(s) completely searchable:
1-10, 15

Claim(s) not searched:
11-14

Reason for the limitation of the search:

The filed set of claims of the present application does not fulfill the requirements of Rule 43(2) EPC for the reason that the filed set of claims contains more than one independent claim in a same category which does not fall under exception points (a), (b) or (c) of Rule 43(2) EPC. In fact two independent claims of the product category (claims 1 and 11) have been filed by the applicant.

These two product claims 1 and 11 do not fall under any of the exception points (a), (b) or (c) of Rule 43(2) EPC for the reason that claims 1 and 11 do disclose none of the following:

- a plurality of interrelated products (exception point (a));
- different uses of a product or apparatus (exception point (b));
- alternative solutions to a particular problem where it is inappropriate to cover these alternatives by a single claim (exception point (c)).

A clarification request pursuant to Rule 62(a) EPC, dated 06.02.2025, has been sent to the applicant.

Following the reply of the applicant, dated 20.03.2025, claims 1 to 10 and 15 have been searched (i.e. no search for claims 11 to 14 as filed).

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82