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(54) **PERSONAL RADIATION PROTECTION GARMENT**

(57) A personal radiation protection garment includes a first layer (20), a second layer (22), a protective layer between the first and second layers. The first layer includes first and second sections joined at a first seam (30), and the second layer includes third and fourth sections joined at a second seam (40). The protective layer includes first and second partially lapping radiation-protective panels (44, 46), the first panel (44) being attached to the first layer (20) at a first attachment zone and the

second panel (46) being attached to the second layer (22) at a second attachment zone. The first panel (44) laps the second panel (46) across the second attachment zone to provide a continuous protective covering of the second attachment zone, and the second panel laps the first panel across the first attachment zone to provide a continuous protective covering of the first attachment zone.

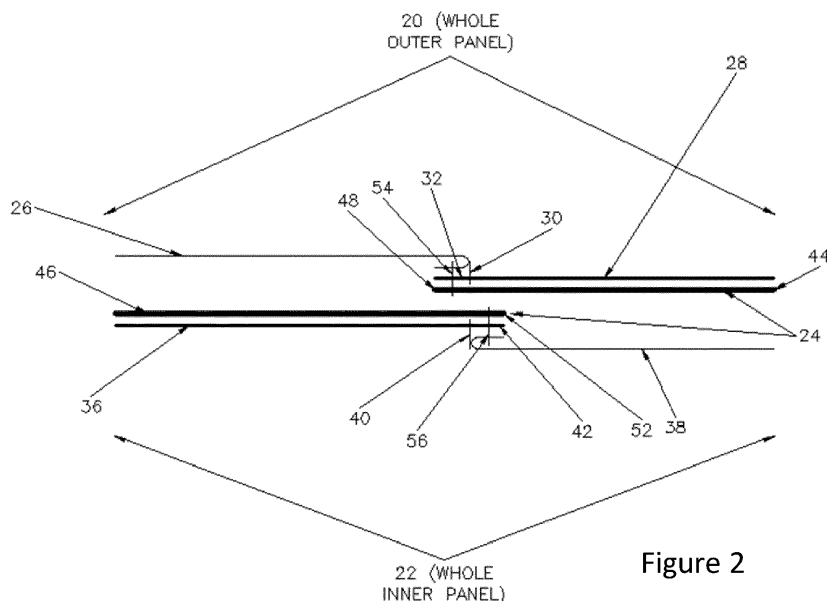


Figure 2



EUROPEAN SEARCH REPORT

Application Number

EP 24 18 4074

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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	JP 2019 094602 A (MARUMATSU KK) 20 June 2019 (2019-06-20)	1-3,5-15	INV. G21F3/02
A	* paragraphs [0013] - [0015]; figures 4-9 * -----	4	A41D13/00 G21F3/03 A41D27/24
A	US 4 196 355 A (MAINE GAYLE J [US]) 1 April 1980 (1980-04-01) * column 3, line 31 - column 4, line 68; figures 3, 4, 8 *	1-15	
A	WO 2008/097382 A2 (KIRSCHENBAUM IRA [US]) 14 August 2008 (2008-08-14) * page 23, lines 9-20; figures 7A, 7B *	1-15	
			TECHNICAL FIELDS SEARCHED (IPC)
			G21F A44C A41D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 8 July 2024	Examiner Sewtz, Michael
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	

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

EP 24 18 4074

5 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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08-07-2024

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2019094602 A	20-06-2019	JP 7237273 B2 JP 2019094602 A	13-03-2023 20-06-2019
US 4196355 A	01-04-1980	JP S5498499 A US 4196355 A	03-08-1979 01-04-1980
WO 2008097382 A2	14-08-2008	US 2010163758 A1 WO 2008097382 A2	01-07-2010 14-08-2008

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82