



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 17 76 09 65

Classification of the application (IPC):
A42B 3/12, A42B 3/06

Technical fields searched (IPC):
A42B

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	US 2015047110 A1 (CHILSON JAMES A [US]) 19 February 2015 (2015-02-19) * paragraphs [0011], [0012], [0014], [0021], [0028]; figures 1,4,6d *	1-9
A	US 2006059605 A1 (FERRARA VINCENT R [US]) 23 March 2006 (2006-03-23) * paragraphs [0029] - [0033]; figure 2 *	1-9
A	DE 8409316 U1 (MIKI SPA) 12 July 1984 (1984-07-12) * page 3; figures 1,2 *	1-9

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 20 August 2019	Examiner D'Souza, Jennifer
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CATEGORY OF CITED DOCUMENTS

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| X: particularly relevant if taken alone | P: intermediate document |
| Y: particularly relevant if combined with another document of the same category | T: theory or principle underlying the invention |
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| O: non-written disclosure | D: document cited in the application |
| | L: document cited for other reasons |
| &: member of the same patent family, corresponding document | |

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LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9

A protective helmet, comprising: an anisotropic cellular liner with a compressive stiffness that is lower in-plane than out-of-plane; an adjacent liner made of rigid foam; and a barrier layer between said anisotropic liner and adjacent foam liner, wherein the anisotropic liner is at least partially recessed and confined in the rigid foam liner to prevent global translation of the anisotropic liner relative to the rigid foam liner.

2. claims: 10-15

An impact protection system, comprising: a first layer comprising a polymer foam; and a second layer made of an open cellular structure, wherein the first layer is separated from the second layer by a barrier layer to prevent penetration of the open cellular structure into the polymer foam layer.

None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims: 1-9

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 20 August 2019	Examiner D'Souza, Jennifer
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**ANNEX TO SUPPLEMENTARY EUROPEAN
SEARCH REPORT**

Application number:
EP 17 76 09 65

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 20-08-2019
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2015047110	A1	19-02-2015	CA	2858707 A1
			US	2015047110 A1
US 2006059605	A1	23-03-2006	NONE	
DE 8409316	U1	12-07-1984	NONE	

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

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