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(72) Inventors:
• **Figone, Jason**
San Jose, California 95127 (US)
• **Kimber, Megan**
San Jose, California 95123 (US)

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(74) Representative: **Röthinger, Rainer**
Wuesthoff & Wuesthoff
Patentanwälte PartG mbB
Schweigerstrasse 2
81541 München (DE)

(71) Applicant: **Fuerst Group, Inc.**
Menlo Park, California 94025 (US)

(54) **FOAM MAT WITH VARIABLE SURFACE DENSITY**

(57) An activity mat is provided for promoting the development of one or more of foot strength, motor skills, balance, and sensory awareness. In one example, an activity mat comprises a body portion comprising a foam, the body portion having a first density, and one or more surface features included on a top surface of the body

portion, wherein at least one of the one or more surface features has a second density, the second density different than the first density. Each of the one or more surface features may be either raised or recessed relative to the top surface of the activity mat providing an uneven surface with variable density.

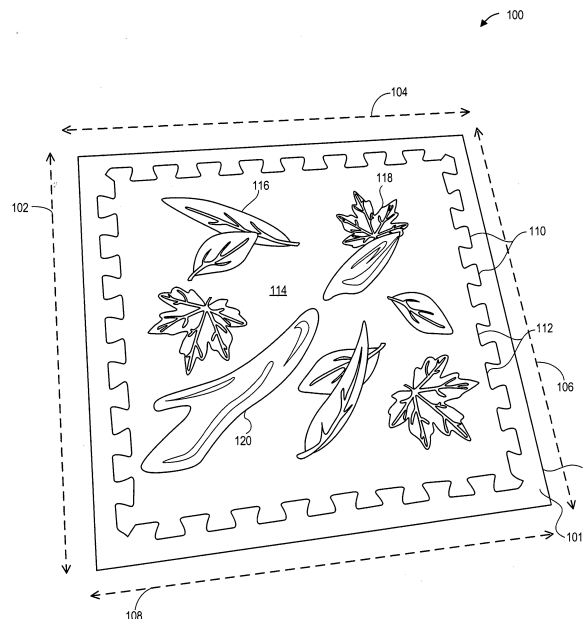


FIG. 1

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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

EP 17 00 0642

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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	US 5 052 158 A (D LUZANSKY JOHN [US]) 1 October 1991 (1991-10-01) * column 4, line 21 - column 7, line 63; figures *	1-6	INV. A63H33/00
X	WO 03/009917 A1 (TINY LOVE LTD [IL]; OREN SHOSHANA [IL]; WEISMAN ZAFRIRA [IL]; GOLOS RO) 6 February 2003 (2003-02-06) * page 5, line 16 - page 7, line 30; figures *	1-3,5	
A		4,6	
X	US 9 155 974 B2 (BOPPY CO LLC [US]) 13 October 2015 (2015-10-13) * column 5, line 33 - column 18, line 65; figures *	1-6	
X	US 2015/367247 A1 (KOSMO JENNIFER LYNN [US]) 24 December 2015 (2015-12-24) * paragraph [0119] - paragraph [0144]; figures *	1-6	
X	US 4 574 101 A (TRICCA RAYMOND A [US] ET AL) 4 March 1986 (1986-03-04) * column 2, line 6 - column 3, line 15; figures *	1-6	TECHNICAL FIELDS SEARCHED (IPC) A63H
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			
Place of search Munich		Date of completion of the search 31 October 2017	Examiner Lucas, Peter
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	

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**INCOMPLETE SEARCH
SHEET C**

Application Number
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Claim(s) completely searchable:
1-6

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Claim(s) not searched:
7-15

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Reason for the limitation of the search:
Rule 62a.

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

EP 17 00 0642

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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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31-10-2017

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5052158 A	01-10-1991	NONE	
-----	-----	-----	-----
WO 03009917 A1	06-02-2003	BR 0211426 A CA 2455688 A1 EP 1414537 A1 JP 2005507272 A US 2004266312 A1 WO 03009917 A1	17-08-2004 06-02-2003 06-05-2004 17-03-2005 30-12-2004 06-02-2003
-----	-----	-----	-----
US 9155974 B2	13-10-2015	NONE	
-----	-----	-----	-----
US 2015367247 A1	24-12-2015	AU 2015277568 A1 CA 2951886 A1 CN 106457056 A EP 3157645 A1 US 2015367247 A1 WO 2015195462 A1	02-02-2017 23-12-2015 22-02-2017 26-04-2017 24-12-2015 23-12-2015
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US 4574101 A	04-03-1986	NONE	
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82