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(54) Title: MULTI-LAYER INSOLE CONTAINING ACTIVATED CARBON, METHOD OF ITS PRODUCTION AND SHOES PROVIDED WITH THIS INSOLE

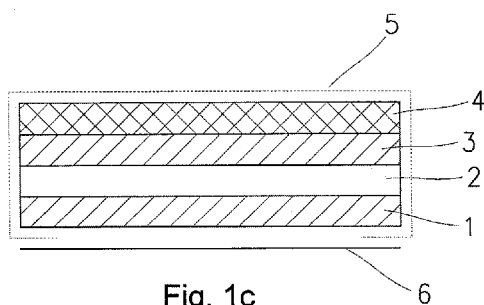


Fig. 1c

(57) Abstract: The invention relates to a multilayer insole with activated carbon, which comprises a supporting layer (1), an active layer (4) with activated carbon and an upper layer (5). Above the supporting layer (1) formed by pressing a mixture of crushed cork and a binder together is arranged at least one damping layer (2), on whose upper side is arranged an intermediate cork layer (3) to form a thermal bridge between the user's foot and the bottom layers of the insole, above the intermediate cork layer (3) is arranged an active layer (4), which is on its upper side covered by an upper layer (5), which is permeable to vapour and liquid moisture, whereby all the layers of the insole are joined together and the insole has spatial shaping, which on its upper side corresponds to the shape of the impression of the lower part of the human foot with planar toe section, with a recess for the big toe joint and a recess for the heel, and which on the bottom part of the insole corresponds to the shape of the lower part of the human foot with planar toe section. The invention also relates to a method of producing this insole and footwear provided with the insole according to the invention.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
A43B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 854 371 A1 (JOSEF HANAK [CZ]) 14 November 2007 (2007-11-14) figure 7	1-9,14
A	paragraph [0007] paragraph [0009] paragraph [0013] paragraph [0019] paragraph [0030] - paragraph [0032]	10-13, 15,16
Y	EP 2 308 335 A1 (SALZENBRODT GMBH & CO KG [DE]) 13 April 2011 (2011-04-13) paragraph [0003] paragraph [0017] paragraph [0022] ----- -/-	1-9,14



Further documents are listed in the continuation of Box C.



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2015/040427 A1 (SANDERS KENNETH B [US]) 12 February 2015 (2015-02-12) figures 1-3 paragraph [0028] -----	4
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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