

Title (en)  
Shoe insole

Title (de)  
Schuheinlegesohle

Title (fr)  
Semelle de chaussure

Publication  
**EP 2147608 A1 20100127 (DE)**

Application  
**EP 09008012 A 20090618**

Priority  
DE 202008009947 U 20080724

Abstract (en)  
The insole (1) has an intermediate layer (20) and a fiber-based upper layer (30) provided in a flexible base layer (10). The layers are bacteriostatic layers that are made of fibers, which contain silver ions or zinc ions. The intermediate layer contains a component that has a phase change arrangement with a temperature of 10 to 40 degree centigrade, where the component is an aliphatic hydrocarbon. The upper layer has an integral part crushed algae e.g. *Ascophyllum nodosum*, which are inserted into the fibers of the upper layer during spinning of the aliphatic hydrocarbon component.

Abstract (de)  
Eine Schuheinlegesohle (1) aus einer elastischen Tragschicht (10), auf der eine Zwischenschicht (20) und eine faserbasierte Oberschicht (30) sind, bietet erhöhten Tragekomfort durch eine Komponente in der Zwischenschicht (20), die in einem typischen Temperaturbereich einen Phasenübergang erster Ordnung hat, in Verbindung mit Bestandteilen zerkleinerter Algen in der Oberschicht und einer bakteriostatischen Ausrüstung mindestens einer der Schichten.

IPC 8 full level  
**A43B 13/12** (2006.01); **A43B 7/02** (2006.01)

CPC (source: EP)  
**A43B 1/0045** (2013.01); **A43B 7/02** (2013.01); **A43B 13/12** (2013.01); **A43B 17/003** (2013.01); **A43B 17/10** (2013.01)

Citation (applicant)  
• DE 19829071 A1 20000105 - BRAUN WALTER [DE]  
• DE 9216324 U1 19940407 - SCHARWAECHTER GMBH CO KG [DE]

Citation (search report)  
• [Y] EP 1472945 A2 20041103 - SARA LEE DE NV [NL]  
• [Y] FR 2690816 A1 19931112 - NOEL FRANCE SA [FR]  
• [A] WO 9744183 A1 19971127 - DICON INC [US]  
• [A] WO 2005020735 A1 20050310 - ROSHO CORP S R L [IT], et al

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

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