

Title (en)  
Clean room shoe sole

Title (de)  
Reinraumschuhsohle

Title (fr)  
Semelle de chaussure de salle blanche

Publication  
**EP 2873339 A1 20150520 (EN)**

Application  
**EP 13193362 A 20131118**

Priority  
EP 13193362 A 20131118

Abstract (en)  
The present invention relates to a shoe sole (1), in particular for a clean room shoe, the shoe sole (1) comprising a base (2) with a ground contacting face (3) and an inner face (4) facing the interior of the shoe. The ground contacting face (3) comprises at least one ground contacting protrusion (5, 15) which extends from the ground contacting face (3) of the sole in a ground contacting direction. The at least one ground contacting protrusion (5) extends towards and into the inner face (4) of the shoe sole. The at least one ground contacting protrusion (5) is located in a heel part (7) of the ground contacting face and is dimensioned to contact a walking surface during normal use of the clean room shoe. The at least one ground contacting protrusion (5) is made of a plastic material comprising a vulcanized thermoplastic material and at least one anti-static agent.

IPC 8 full level  
**A43B 7/36** (2006.01); **A43B 13/04** (2006.01)

CPC (source: EP)  
**A43B 7/36** (2013.01); **A43B 13/04** (2013.01)

Citation (applicant)  

- DE 3830744 A1 19900322 - SAILER HANS JOACHIM [DE]
- EP 0402883 A2 19901219 - DU PONT [US], et al
- EP 0405227 A2 19910102 - DU PONT [US], et al
- EP 0810258 A1 19971203 - MICHELIN & CIE [FR]
- WO 9928376 A2 19990610 - MICHELIN & CIE [FR], et al
- GAETHER ET AL.: "Plastics Additives Handbook", 1990, HANSER

Citation (search report)  

- [X1] JP 2001029104 A 20010206 - MERIITO KK
- [X1] DE 202008002745 U1 20080508 - KRONWITTER CHRISTOPH [CH]
- [X1] US 5448840 A 19950912 - CHESKIN MELVYN [US]
- [X1] FR 2754982 A1 19980430 - RODOZ SA [FR]

Cited by  
US2017267847A1; CN111040420A; CN105670119A; BE1022952B1; CN105670120A; US11439198B2; US11523655B2; US11986044B2; US10344150B2; US10927242B2; US10947371B2; US10947372B2; US11149138B2; US11643535B2; US11739201B2; US11780997B2

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 2873339 A1 20150520**; WO 2015071494 A1 20150521

DOCDB simple family (application)  
**EP 13193362 A 20131118**; EP 2014074925 W 20141118