

Title (en)  
NON-SLIP OUTSOLE FOR WINTER SHOES

Title (de)  
RUTSCHFESTE LAUFSOHLE FÜR WINTERSCHUHE

Title (fr)  
SEMELLE D'USURE ANTIDÉRAPANTE POUR CHAUSSURES D'HIVER

Publication  
**EP 4013260 A4 20230906 (EN)**

Application  
**EP 20853308 A 20200810**

Priority  
• US 201962887006 P 20190815  
• CA 2020000100 W 20200810

Abstract (en)  
[origin: WO2021026631A1] An outsole for a shoe includes i) a main tread to be secured to a shoe, the main tread having a sole portion and a heel portion, ii) at least one non-slip element integrated to the main tread and being positioned within one of the sole and heel portions; and iii) a retractable crampon, including at least one spike, that is mounted to the other one of the sole and heel portions of the main tread. The retractable crampon is movable between a deployed position, wherein the at least one spike extends from the main tread, and a retracted position, wherein the at least one spike is prevented from contacting the ground by the main tread.

IPC 8 full level  
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Citation (search report)  
• [Y] KR 200381269 Y1 20050414  
• [Y] KR 880021188 U 19881223  
• [A] RU 187897 U1 20190321  
• [Y] ANONYMOUS: "Rubber Sole 'Sticks' To Ice: Vibram Arctic Grip Explained", GEAR JUNKIE, 7 March 2016 (2016-03-07), XP055792094, Retrieved from the Internet <URL:https://gearjunkie.com/footwear/vibram-arctic-grip-sole-for-ice> [retrieved on 20210331]  
• See also references of WO 2021026631A1

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