

Title (en)  
Ice spike with improved longitudinal adjustment

Title (de)  
Eisstollen mit perfektionierter Längseinstellung

Title (fr)  
Crampon à glace à réglage longitudinal perfectionné

Publication  
**EP 2904921 A1 20150812 (FR)**

Application  
**EP 15150828 A 20150112**

Priority  
FR 1400338 A 20140206

Abstract (en)  
[origin: US2015216265A1] An ice crampon comprises a metal body composed of a head and a heel connected by flexible connecting means formed by at least one flexible cord after passing through length adjustment notches. These notches form part of a notching system securedly attached to the body of the crampon, so that the longitudinal adjustment of the cord is adapted to the shoe size, independently from the fixing means of the crampon.

Abstract (fr)  
Un crampon à glace (10) comprend un corps métallique composé d'une tête (11), et d'un talon (12) réunis par des moyens de liaison flexibles formés par au moins une cordelette (20) souple après passage dans des crans (21) d'ajustage de la longueur. Ces crans font partie d'un crantage solidaire du corps du crampon, tel que le réglage longitudinal de la cordelette (20) soit adapter à la pointure de la chaussure, indépendamment des moyens de fixation du crampon.

IPC 8 full level  
**A43C 15/06** (2006.01)

CPC (source: EP US)  
**A43C 15/063** (2013.01 - EP US); **A43C 15/066** (2013.01 - EP US); **A43C 15/068** (2013.01 - EP US)

Citation (applicant)

- FR 2575659 A1 19860711 - LEBORGNE CIE ETS [FR]
- FR 942119 A 19490131
- FR 2509968 A1 19830128 - PITHOD HUGUETTE [FR]
- FR 2457654 A1 19801226 - CHARLET GERMAIN

Citation (search report)

- [AD] FR 942119 A 19490131
- [A] JP S5923309 U 19840214
- [A] DE 2264044 A1 19740704 - SALEWA LEDERWARENFABRIK GMBH
- [AD] FR 2575659 A1 19860711 - LEBORGNE CIE ETS [FR]
- [A] FR 54745 E 19500728
- [A] US 4344238 A 19820817 - PEYSER LEONARD F
- [A] FR 963617 A 19500717
- [A] US 3182407 A 19650511 - ELMER HARDE

Cited by  
EP3437506A1; EP4018871A1; IT202000032183A1

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 2904921 A1 20150812; EP 2904921 B1 20160525**; ES 2585228 T3 20161004; FR 3017032 A1 20150807; FR 3017032 B1 20160624; US 2015216265 A1 20150806; US 9888745 B2 20180213

DOCDB simple family (application)  
**EP 15150828 A 20150112**; ES 15150828 T 20150112; FR 1400338 A 20140206; US 201514600565 A 20150120