

Title (en)
REEL BASED CLOSURE DEVICE

Title (de)
VERSCHLUSSVORRICHTUNG AUF ROLLENBASIS

Title (fr)
DISPOSITIF DE FERMETURE À BASE DE BOBINE

Publication
EP 4255247 A1 20231011 (EN)

Application
EP 21901552 A 20211203

Priority
• US 202063121732 P 20201204
• US 2021061861 W 20211203

Abstract (en)
[origin: US2022175089A1] A boot, such as a ski boot, may include a lower portion or shell that is configured to accommodate a foot and an upper portion or cuff that extends upward from the lower portion and that is configured to accommodate a lower leg of a wearer. The boot may also include a tightening system that is coupled with the lower portion of the boot in order to close and tighten the lower portion about the foot. The tightening system includes a reel based closure device and a tension member that is operably coupled with the reel based closure device so that an operation of the reel based closure device effects tensioning of the tension member. The tightening system also includes a plurality of guide members that route or direct the tension member along a path and a terminal member that is fixedly coupled with the tension member.

IPC 8 full level
A43C 11/00 (2006.01); **A43B 5/04** (2006.01); **A43C 7/00** (2006.01); **A43C 11/16** (2006.01); **A43C 11/20** (2006.01)

CPC (source: EP KR US)
A43B 5/0415 (2013.01 - EP KR US); **A43C 1/06** (2013.01 - US); **A43C 11/165** (2013.01 - EP KR)

Citation (search report)
See references of WO 2022120205A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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US 202117542130 A 20211203; CN 202180092405 A 20211203; EP 21901552 A 20211203; JP 2023534081 A 20211203;
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