

Title (en)  
Climbing aid, tour ski binding and ski equipment

Title (de)  
Steighilfe, Tourenskibindung und Skiausrüstung

Title (fr)  
Aide à la montée, fixation de ski de fond et équipement de ski

Publication  
**EP 2281615 A3 20121226 (DE)**

Application  
**EP 10172077 A 20100805**

Priority  
DE 102009036244 A 20090805

Abstract (en)  
[origin: EP2281615A2] The aid (12) has a plate section (26) with a support surface (20) for a heel section of a ski boot or a boot plate. A control element e.g. piston cylinder assembly, has a base part fastened to a ski (16) or a ski binding, and a movement part movable relative to the base part. Support elements (18, 30) convert movement of the movement part into movement of the plate section such that level of the surface over the ski is changed. A locking arrangement transfers the movement of the movement part into locking or unlocking of the aid to lock or unlock the adjusted level of the surface over the ski. An independent claim is also included for a tour ski binding including a front binding part.

IPC 8 full level  
**A63C 9/08** (2012.01); **A63C 9/00** (2012.01); **A63C 9/088** (2012.01)

CPC (source: EP US)  
**A63C 9/006** (2013.01 - EP); **A63C 9/0807** (2013.01 - EP US); **A63C 9/0885** (2013.01 - EP); **A63C 11/222** (2013.01 - EP US); **A63C 2203/22** (2013.01 - EP); **A63C 2203/24** (2013.01 - EP)

Citation (search report)

- [XY] WO 2004035153 A2 20040429 - PUPKO MICHAEL M [US]
- [Y] US 2005167950 A1 20050804 - MARTIN RALPH M [US], et al
- [E] DE 102011015785 A1 20121004 - ZOOR REINHOLD [DE]
- [XP] EP 2172251 A2 20100407 - MARKER DEUTSCHLAND GMBH [DE]

Cited by  
EA034724B1; AT524097A1; AT525738A4; AT525738B1; AT526681A4; AT526681B1; US10322331B2; WO2014135693A1; WO2016144187A1; WO2017095232A1; WO2022089731A1; EP4132667B1

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
**EP 2281615 A2 201110209; EP 2281615 A3 20121226; EP 2281615 B1 20160302; EP 2281615 B2 20190123**; DE 102009036244 A1 20110217

DOCDB simple family (application)  
**EP 10172077 A 20100805**; DE 102009036244 A 20090805