

Title (en)
Front device

Title (de)
Frontautomat

Title (fr)
Automate avant

Publication
EP 2574379 A3 20141231 (DE)

Application
EP 12405102 A 20120919

Priority
• CH 16052011 A 20110929
• CH 2502012 A 20120227

Abstract (en)
[origin: EP2574379A2] The front machine (1) has levers (5.1,5.2) with holding units (6.1,6.2) for holding ski boot in a toe portion. The levers are located around axes which are pivotally mounted, such that the holding units can be moved in transverse direction. The holding units are located at specific distance in retaining position. The levers are mounted by positive control (20) in retaining position, so that the levers are coupled within a dynamic range and can be moved in transverse direction and holding units are coupled on dynamic path in transverse direction.

IPC 8 full level
A63C 9/085 (2012.01); **A63C 9/086** (2012.01)

CPC (source: EP US)
A63C 9/0807 (2013.01 - EP US); **A63C 9/08528** (2013.01 - EP US); **A63C 9/08564** (2013.01 - EP US); **A63C 9/08571** (2013.01 - EP US); **A63C 9/086** (2013.01 - EP US); **A63C 9/22** (2013.01 - US)

Citation (search report)
• [X] CH 673402 A5 19900315 - MARKER DEUTSCHLAND GMBH
• [AD] EP 0199098 A2 19861029 - BARTHEL FRITZ
• [AD] WO 2009121187 A1 20091008 - G3 GENUINE GUIDE GEAR INC [CA], et al
• [AD] WO 2007010392 A2 20070125 - SKI TRAB S R L [IT], et al
• [AD] EP 0754079 B1 19990428 - FRITSCHI APPARATEBAU [CH]

Cited by
EP2813268A1; EP2965791A1; EP3566754A1; EP3878528A1; EP3928842A1; DE102013220722A1; AT513964A3; FR3019755A1; EP2929920A1; EP3851174A1; WO2022149986A1; US9220969B2; US9795862B2; US11338192B2

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 2574379 A2 20130403; EP 2574379 A3 20141231; EP 2574379 B1 20200930; CH 705579 A2 20130415; EP 3766550 A1 20210120; US 2013087992 A1 20130411; US 9526973 B2 20161227

DOCDB simple family (application)
EP 12405102 A 20120919; CH 2502012 A 20120227; EP 20192634 A 20120919; US 201213622861 A 20120919