

Title (en)

CLAMPING DEVICE FOR TRACTION CABLES, ESPECIALLY TRACTION CABLE TIE-UPS IN SHOES

Title (de)

SPANNVORRICHTUNG FÜR ZUGKABEL, INSBESONDERE VON ZUGKABEL-SCHNÜRUNGEN AN SCHUHEN

Title (fr)

DISPOSITIF DE SERRAGE DESTINE A DES CABLES DE TRACTION, NOTAMMENT CON U POUR DES LACETS A CABLES DE TRACTION DE CHAUSSURES

Publication

EP 1651073 B1 20081119 (DE)

Application

EP 04766398 A 20040802

Priority

- EP 2004051691 W 20040802
- DE 10335940 A 20030804

Abstract (en)

[origin: WO2005013748A1] The invention relates to a traction device which produces large transmission when the tension of the traction cable is reduced and/or is zero, such that during rotation of a handwheel, lengths of the traction cable can vary significantly. As soon as the tension of the traction cable exceeds a threshold value, the clamping device produces transmission in a slow manner such that rotation of the handwheel produces comparatively small variations of the length of the traction cable and enables the clamping force to be adjusted in a delicate manner.

IPC 8 full level

A43C 11/16 (2006.01); **A43C 11/00** (2006.01)

CPC (source: EP KR)

A43C 11/00 (2013.01 - EP KR); **A43C 11/16** (2013.01 - EP KR); **A43C 11/165** (2013.01 - EP)

Designated contracting state (EPC)

AT DE FR IT

DOCDB simple family (publication)

WO 2005013748 A1 20050217; AT E414437 T1 20081215; CN 100409785 C 20080813; CN 1826065 A 20060830; DE 10335940 A1 20050310; DE 502004008495 D1 20090102; EP 1651073 A1 20060503; EP 1651073 B1 20081119; JP 2007501038 A 20070125; JP 4538836 B2 20100908; KR 100804588 B1 20080220; KR 20060024377 A 20060316

DOCDB simple family (application)

EP 2004051691 W 20040802; AT 04766398 T 20040802; CN 200480021380 A 20040802; DE 10335940 A 20030804; DE 502004008495 T 20040802; EP 04766398 A 20040802; JP 2006522353 A 20040802; KR 20057021383 A 20051110