

Title (en)

Adapter for setting a self-drilling chemically anchored attachment element

Title (de)

Adaptervorrichtung zum Setzen eines selbstbohrenden, chemisch verankerbaren Befestigungselementes

Title (fr)

Adaptateur pour installer un élément de fixation autoperceur ancré chimiquement

Publication

EP 2133510 A3 20160914 (DE)

Application

EP 09159594 A 20090507

Priority

DE 102008002303 A 20080609

Abstract (en)

[origin: EP2133510A2] The device (11) has a rotor part (21) rotatably supported in a housing (36). The rotor part comprises a coupling section (24) at an end (23) for torque-proofly connecting the rotor part with a boring device (8), and a coupling retainer (26) at another end (25) for torque-proofly retaining a free end (6) of a fastening element (5). Seal elements (42) i.e. grooved rings, are arranged between the housing and the rotor part for sealing a channel section (32). The housing includes a housing part (41) comprising the seal elements and another housing part (51) comprising bearing elements (52, 53).

IPC 8 full level

E21D 20/02 (2006.01)

CPC (source: EP US)

E21B 21/02 (2013.01 - EP US); **E21D 20/028** (2013.01 - EP US)

Citation (search report)

- [AD] DE 10334374 A1 20050317 - HILTI AG [LI]
- [AD] DE 10017763 A1 20011011 - HILTI AG [LI]

Cited by

WO2013127408A1; WO2013127407A1; WO2013127409A1

Designated contracting state (EPC)

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 TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2133510 A2 20091216; EP 2133510 A3 20160914; AU 2009201844 A1 20091224; AU 2009201844 B2 20110331; CN 101603430 A 20091216; CN 101603430 B 20131030; DE 102008002303 A1 20091210; US 2009304455 A1 20091210; US 8029211 B2 20111004; ZA 200903993 B 20100331

DOCDB simple family (application)

EP 09159594 A 20090507; AU 2009201844 A 20090508; CN 200910145327 A 20090603; DE 102008002303 A 20080609; US 45588809 A 20090608; ZA 200903993 A 20090608