

Title (en)

Disassembling device for expansion anchoring dowel

Title (de)

Demontagevorrichtung für formschlüssig verankernden Dübel

Title (fr)

Cheville d'ancrage expansif

Publication

**EP 1068933 A3 20020904 (DE)**

Application

**EP 00810586 A 20000705**

Priority

DE 19932863 A 19990714

Abstract (en)

[origin: EP1068933A2] A sleeve-shaped support part (2) has an axially protruding bolt-extension (4) on its one end forming a support shoulder (3). The bolt extension has load-application elements (5) cooperating with load-application elements on the rear end of the plug's sleeve. An internally threaded bore-hole (6) extends through the bolt-extension and holds an externally threaded (8) shaft (7) which is axially rotated in relation to the support part. The shaft has two lengthwise ends (9,10) with identical coupling elements (11) for an adapter piece (12). One lengthwise section (13) of the adapter piece has a connection (14) , with the opposite lengthwise end acting as insertion end (15) for a tool, especially rotary drill

IPC 1-7

**B25B 31/00**

IPC 8 full level

**B25B 31/00** (2006.01); **E02D 5/80** (2006.01); **F16B 13/08** (2006.01)

CPC (source: EP)

**B25B 31/00** (2013.01)

Citation (search report)

- [A] DE 19712174 A1 19980924 - FISCHER ARTUR WERKE GMBH [DE]
- [A] EP 0432397 A2 19910619 - FISCHER ARTUR WERKE GMBH [DE]
- [A] DE 19713541 A1 19981008 - FISCHER ARTUR WERKE GMBH [DE]
- [A] US 5201104 A 19930413 - WINKELJANN ANTONIUS [DE], et al
- [DA] US 4702654 A 19871027 - FRISCHMANN ALBERT [DE], et al

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CN110241802A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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**EP 1068933 A2 20010117**; **EP 1068933 A3 20020904**; **EP 1068933 B1 20080409**; CN 1151013 C 20040526; CN 1280899 A 20010124; DE 19932863 A1 20010118; DE 50015084 D1 20080521; JP 2001081773 A 20010327; JP 4531940 B2 20100825

DOCDB simple family (application)

**EP 00810586 A 20000705**; CN 00120412 A 20000707; DE 19932863 A 19990714; DE 50015084 T 20000705; JP 2000214205 A 20000714