

Title (en)
Installation fitting with releasable socket coupling connection

Title (de)
Einbaugarnitur mit lösbarer Kuppelmuffenverbindung

Title (fr)
Garniture d'installation avec connection à manchon de raccordement détachable

Publication
EP 1111141 A3 20021002 (DE)

Application
EP 00119728 A 20000909

Priority
DE 19961412 A 19991217

Abstract (en)
[origin: GB2357330A] The fitting comprises a wrench bar 4 having a cap accessible from above ground, a tube 5 surrounding the bar and a releasable coupling 3 for engaging a valve spindle. The bar may be extended by extensions, interconnection being via square sockets/releasable adaptors. Tube 5 may comprise telescopic sections 5a-d. Release of the coupling may be facilitated by a bolt having a head located in a blind bore in the sleeve and a threaded portion located in a threaded bore in the sleeve, the bolt extending through the wrench bar. Alternatively, release is facilitated by a pair of spring biased pins or wedges. The pins may be located in a tube insertable into the wrench bar. The upper end of the bar may be coupled to a common unit (32, figure 11) which is connected to but free to rotate relative to the tube 5.

IPC 1-7
E03D 9/08; **E03B 9/08**

IPC 8 full level
E03B 9/08 (2006.01)

CPC (source: EP)
E03B 9/08 (2013.01)

Citation (search report)

- [XA] US 4702275 A 19871027 - BALLUN JOHN V [US], et al
- [XD] DE 4438205 A1 19960502 - BUHLA MICHAEL [DE], et al
- [X] DE 19728510 C1 19990916 - MANIBS SPEZIALARMATUREN [DE]
- [X] EP 0070447 A1 19830126 - BUE SCH ARMATUREN GMBH [DE]
- [A] DE 29516158 U1 19960208 - BUHLA MICHAEL [DE], et al

Cited by
CN113026885A

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1111141 A2 20010627; **EP 1111141 A3 20021002**; **EP 1111141 B1 20061115**; AT E345423 T1 20061215; CZ 20004668 A3 20010815; CZ 298903 B6 20080305; DE 19961412 A1 20010726; DE 19961412 C2 20030508; DE 50013747 D1 20061228; DK 1111141 T3 20070326; GB 0012220 D0 20000712; GB 2357330 A 20010620; GB 2357330 B 20030319; PL 193997 B1 20070430; PL 344179 A1 20010618

DOCDB simple family (application)
EP 00119728 A 20000909; AT 00119728 T 20000909; CZ 20004668 A 20001213; DE 19961412 A 19991217; DE 50013747 T 20000909; DK 00119728 T 20000909; GB 0012220 A 20000519; PL 34417900 A 20001129