

Title (en)

Auxiliary device for filling bores with mortar

Title (de)

Hilfsvorrichtung zum Verfüllen von Bohrlöchern mit Mörtelmassen

Title (fr)

Dispositif auxiliaire de remplissage d'un perçage par du mortier

Publication

EP 1036599 A3 20040707 (DE)

Application

EP 00810107 A 20000209

Priority

DE 19911259 A 19990313

Abstract (en)

[origin: US6481174B1] An auxiliary tool for filling of an organic and/or inorganic mortar mass in a bore (B) and cooperating with an injection tool (D) connectable with a delivery tube (E) or a delivery hose, with the auxiliary tool (1, 6, 12) including a filling member (2; 7; 13) having an axial through-bore (3; 9; 17) through which the mortar mass (M) is injected into the bore (B), and an outer diameter selected so that a back flow of the mortar mass (M) in a direction toward a bore mouth is prevented, and an element for pinning the filling member (2; 7; 13) on a free end of the delivery tube (E) or the delivery hose.

IPC 1-7

B05C 7/00; **B05C 17/01**

IPC 8 full level

E04G 23/02 (2006.01); **B05C 5/00** (2006.01); **B05C 7/00** (2006.01); **B05C 7/02** (2006.01); **B05C 17/005** (2006.01)

CPC (source: EP US)

B05C 7/00 (2013.01 - EP US); **B05C 17/00503** (2013.01 - EP US)

Citation (search report)

- [X] US 4260295 A 19810407 - VESTLUND ELOF
- [X] WO 9718367 A1 19970522 - HAAVISTO JUHA [FI]
- [X] DE 8011288 U1 19811231 - HILTI AG [LI]

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)

US 6481174 B1 20021119; AT E443578 T1 20091015; CA 2299640 A1 20000913; CA 2299640 C 20080520; DE 19911259 A1 20000914; DE 19911259 B4 20150702; DE 50015745 D1 20091105; EP 1036599 A2 20000920; EP 1036599 A3 20040707; EP 1036599 B1 20090923; ES 2331455 T3 20100105; JP 2000296353 A 20001024; JP 4592142 B2 20101201

DOCDB simple family (application)

US 52168900 A 20000309; AT 00810107 T 20000209; CA 2299640 A 20000225; DE 19911259 A 19990313; DE 50015745 T 20000209; EP 00810107 A 20000209; ES 00810107 T 20000209; JP 2000068430 A 20000313