

Title (en)
PROCESS AND DEVICE FOR PRECISELY MAINTAINING THE VERTICAL EXCAVATION DIRECTION OF A SUBTERRANEAN CURTAIN

Title (de)
VERFAHREN UND VORRICHTUNG ZUM EXAKTEN EINHALTEN DER VERTIKALEN AUSHUBRICHTUNG EINER SCHLITZWAND

Title (fr)
PROCEDE ET DISPOSITIF ASSURANT L'EXACTITUDE DE LA VERTICALITE DE L'EXCAVATION D'UNE PAROI CONTINUE EN BETON MOULEE DANS LE SOL

Publication
EP 0690943 B1 19970122 (DE)

Application
EP 94909118 A 19940307

Priority
• DE 4309233 A 19930323
• EP 9400671 W 19940307

Abstract (en)
[origin: US5707182A] PCT No. PCT/EP94/00671 Sec. 371 Date Nov. 8, 1995 Sec. 102(e) Date Nov. 8, 1995 PCT Filed Mar. 7, 1994 PCT Pub. No. WO94/21864 PCT Pub. Date Sep. 29, 1994A process for exactly holding the vertical excavation direction of a diaphragm wall using a hydraulic diaphragm wall grab cooperating with an excavator and having an outer guide body and an inner body for receiving the grab appliance is improved and rendered considerably more efficient by the fact that the vertical position of the inner body and/or the guide body is continuously controlled by means of an inclination detector whose signals are transferred to a controller which, in case the bodies of the grab deviate from the predetermined vertical position, compensates said deviation by swivelling the inner body relative to the guide body in opposite direction to the deviation.

IPC 1-7
E02F 5/02; **E02D 17/13**

IPC 8 full level
E02F 5/02 (2006.01); **E02D 17/13** (2006.01); **E02F 3/47** (2006.01); **E02F 5/14** (2006.01)

CPC (source: EP KR US)
E02D 17/13 (2013.01 - EP KR US); **E02F 3/47** (2013.01 - EP US); **E02F 3/475** (2013.01 - KR); **E02F 5/145** (2013.01 - EP KR US)

Cited by
EP3725955A1

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

DOCDB simple family (publication)
US 5707182 A 19980113; AT E148191 T1 19970215; CN 1085759 C 20020529; CN 1119882 A 19960403; DE 4309233 C1 19940721; DE 59401660 D1 19970306; DK 0690943 T3 19970818; EP 0690943 A1 19960110; EP 0690943 B1 19970122; ES 2099598 T3 19970516; GR 3023175 T3 19970730; JP 2866480 B2 19990308; JP H08508072 A 19960827; KR 100193543 B1 19990615; KR 960701265 A 19960224; WO 9421864 A1 19940929

DOCDB simple family (application)
US 52573595 A 19951108; AT 94909118 T 19940307; CN 94191551 A 19940307; DE 4309233 A 19930323; DE 59401660 T 19940307; DK 94909118 T 19940307; EP 9400671 W 19940307; EP 94909118 A 19940307; ES 94909118 T 19940307; GR 970400832 T 19970418; JP 52058694 A 19940307; KR 19950704057 A 19950922