

Title (en)

Apparatus and method for pressing and extracting sheet pile wall elements

Title (de)

Vorrichtung und Verfahren zum Einpressen bzw. Herausziehen von Spundwandelementen

Title (fr)

Appareil et méthode pour presser et extraire des éléments de paroi de palplanches

Publication

EP 1717375 A1 20061102 (DE)

Application

EP 05009520 A 20050429

Priority

EP 05009520 A 20050429

Abstract (en)

The device (10) includes retainers (14) at the center of a base frame for holding sheet piling materials, and a pneumatic cylinder for each retainer to displace each retainer with respect to the base frame. A sensor measures the tilting load of the base frame with respect to its center. The sensor is connected to a control unit which regulates the pneumatic cylinders when the measured tilting load is below a predetermined threshold value. Independent claims are included for: (1) Construction equipment; and (2) Pressing method.

IPC 8 full level

E02D 11/00 (2006.01); **E02D 13/06** (2006.01)

CPC (source: EP)

E02D 11/00 (2013.01); **E02D 13/06** (2013.01)

Citation (applicant)

- DE 1484577 B1 19691204 - TAYLOR WOODROW CONST LTD
- DE 3815748 A1 19891123 - ABI VERTRIEBS GMBH [DE]

Citation (search report)

- [X] DE 1484577 B1 19691204 - TAYLOR WOODROW CONST LTD
- [A] DE 3815748 A1 19891123 - ABI VERTRIEBS GMBH [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 008, no. 104 (M - 296) 16 May 1984 (1984-05-16)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 544 (M - 1688) 18 October 1994 (1994-10-18)

Cited by

EP2221418A1; EP1806455A1; EP2225419A4; ITMC20090087A1; NL2026987B1; NL2002543C2; US8538670B2; EP2275604A1; US8483915B2; EP3584370B1

Designated contracting state (EPC)

DE GB IT

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

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