

Title (en)

Apparatus to facilitate extraction of a shuttering, tool present in the apparatus, and use in making a trench wall in the ground.

Title (de)

Einrichtung zum Erleichtern des Herausziehens einer Schalung, das Werkzeug enthaltende Einrichtung und Verwendung zum Herstellen einer Bodenschlitzwand.

Title (fr)

Dispositif pour faciliter l'extraction d'un coffrage, outil présent dans le dispositif et application à la réalisation d'une paroi moulée dans le sol.

Publication

**EP 0462010 A1 19911218 (FR)**

Application

**EP 91401571 A 19910613**

Priority

- FR 9007502 A 19900615
- FR 9103953 A 19910402

Abstract (en)

The invention relates to a device for making it easier to extract a vertical shuttering. This apparatus comprises means for forming removably in the back (1b) of the shuttering (1) at least one vertical guide groove (8) open over its entire length in a direction opposite to the shuttering face (1a), and means forming a shuttering-removing tool having a guide part (11) capable of sliding vertically in said groove, whilst being retained in the groove, and lateral knives (9, 10) capable of scraping the lateral sides (3, 4) of the shuttering during sliding, the apparatus comprising means (12) for controlling the sliding of said tool. The invention is used particularly for the shutterings serving for making a trench wall in the ground. <IMAGE>

IPC 1-7

**E02D 5/18**

IPC 8 full level

**E02D 5/18** (2006.01); **E02D 9/00** (2006.01)

CPC (source: EP)

**E02D 5/18** (2013.01); **E02D 5/182** (2013.01); **E02D 5/185** (2013.01); **E02D 9/00** (2013.01)

Citation (search report)

- [Y] CH 665241 A5 19880429 - ZSCHOKKE SA CONRAD
- [YD] EP 0101350 A1 19840222 - SIF ENTREPRISE BACHY [FR]
- [A] NL 113163 C
- [A] EP 0048444 A2 19820331 - PFODERL ROBERT
- [A] US 3513572 A 19700526 - NOVET GABRIEL

Cited by

EP1039038A1; FR2791072A1; US6332297B1; WO9804782A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0462010 A1 19911218**; **EP 0462010 B1 19950301**; AT E119228 T1 19950315; DE 69107696 D1 19950406; DE 69107696 T2 19950629; ES 2070454 T3 19950601; HK 101596 A 19960621

DOCDB simple family (application)

**EP 91401571 A 19910613**; AT 91401571 T 19910613; DE 69107696 T 19910613; ES 91401571 T 19910613; HK 101596 A 19960613