

Title (en)

Apparatus for shoring trenches

Title (de)

Vorrichtung zum Abstützen von Gräben

Title (fr)

Dispositif de soutènement de tranchée

Publication

EP 0691435 B1 19990825 (FR)

Application

EP 95401552 A 19950628

Priority

FR 9408493 A 19940708

Abstract (en)

[origin: EP0691435A1] The support consists of two lateral vertical panels (2,3) which bear against opposite walls of the trench, in cooperation with a supporting portal structure (4). The portal has a pair of lateral upright members (5,6) linked by a horizontal transverse bar (7), each lateral member being detachably secured to one of the vertical panels. Each panel has a pivotable spacer bar (14,15) which is movable to cooperate with the spacer of the corresponding opposite panel to define a transverse support between the panels after removal of the portal structure. The portal is attached to the panels by engagement of its upright members in straps (31,32) on the inner panel faces and by removable locking pins (53,54) at the upper part of each panel. <IMAGE>

IPC 1-7

E02D 17/08

IPC 8 full level

E02D 17/08 (2006.01)

CPC (source: EP)

E02D 17/08 (2013.01)

Designated contracting state (EPC)

AT CH DE ES GB IT LI SE

DOCDB simple family (publication)

EP 0691435 A1 19960110; EP 0691435 B1 19990825; AT E183791 T1 19990915; DE 69511640 D1 19990930; DE 69511640 T2 20000406; ES 2135676 T3 19991101; FR 2722219 A1 19960112; FR 2722219 B1 19960823

DOCDB simple family (application)

EP 95401552 A 19950628; AT 95401552 T 19950628; DE 69511640 T 19950628; ES 95401552 T 19950628; FR 9408493 A 19940708