

Title (en)  
Diaphragm wall and method to build it

Title (de)  
Schlitzwand sowie Verfahren zu deren Herstellung

Title (fr)  
Paroi moulée et sa méthode de fabrication

Publication  
**EP 1788157 A3 20090311 (DE)**

Application  
**EP 06023807 A 20061116**

Priority  
DE 102005055254 A 20051119

Abstract (en)  
[origin: EP1788157A2] The wall (7) has lamellae (10) that are separately manufactured one after another, where the diaphragm is made of concrete or reinforced concrete. A clamping unit pre-stresses the diaphragm wall and is made of steel. A u-shaped upper edge of the clamping unit extends over the level of the diaphragm wall and crosses a joint (11) between the adjacent lamellae. An opening is closed by a plate made of brittle material such as glass in an assembling condition. Independent claims are also included for the following: (1) a method for formation of a butt joint of cladding tubes between the adjacent diaphragm wall lamellae (2) a method for manufacturing the diaphragm wall.

IPC 8 full level  
**E02D 5/18** (2006.01); **E02D 19/18** (2006.01)

CPC (source: EP)  
**E02D 17/13** (2013.01); **E02D 29/16** (2013.01); **E04C 5/10** (2013.01)

Citation (search report)

- [X] JP H0493412 A 19920326 - TAISEI CORP
- [A] JP S59150818 A 19840829 - OBAYASHI GUMI KK
- [A] JP S63261012 A 19881027 - OHBAYASHI CORP
- [A] JP H10102488 A 19980421 - OHBAYASHI CORP
- [X] JP S62153417 A 19870708 - OKUMURA CONSTR CO LTD

Cited by  
EP2549021A1; EP1964981A1; CN115198701A; US11225769B2; US10988911B2; US9371623B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1788157 A2 20070523; EP 1788157 A3 20090311**; DE 102005055254 A1 20070524

DOCDB simple family (application)  
**EP 06023807 A 20061116**; DE 102005055254 A 20051119