

Title (en)  
Sheet pile wall

Title (de)  
Kombi-Spundwand

Title (fr)  
Paroi métallique constituée de palplanches

Publication  
**EP 1698733 A1 20060906 (DE)**

Application  
**EP 05002205 A 20050202**

Priority  
EP 05002205 A 20050202

Abstract (en)  
u The combination bulkhead is made up of at least beam elements (12), particularly of the T-beam or double T-beam variety, and connecting profiles (16) that directly or indirectly connect the beam elements to one another. Each connecting profile, which is directly coupled to one of the beam elements, has a lock element (24, 26) that is engaged with a lock element (30) formed on the relevant beam element. Both engaged lock elements (24, 26) of the connecting profile and of the beam element are, from a cross-sectional perspective, designed in such a manner that both lock elements can pivot relative to one another in an angular range (alpha) from at least + or u 3 degrees to a maximum of + or u 10 degrees. The lock elements may pivot relative to one another at angular range from at least + or u 3 degrees to a maximum of + or u 7 degrees.

IPC 8 full level  
**E02D 5/08** (2006.01)

CPC (source: EP US)  
**E02D 5/04** (2013.01 - EP US); **E02D 5/06** (2013.01 - EP US)

Citation (search report)  
• [X] DE 10318769 A1 20040923 - WALL GEORG [DE]  
• [X] FR 2671602 A3 19920717 - ARBED [LU]  
• [A] DE 29718052 U1 19971204 - KRUPP AG HOESCH KRUPP [DE], et al

Cited by  
DE102007020747A1; DE102008011795A1; US7935406B2; US8088469B2; US8323765B2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006082040 A1 20060810**; AT E479798 T1 20100915; BR PI0606559 A2 20090630; CA 2596647 A1 20060810; CN 101146960 A 20080319; CN 101146960 B 20130102; DE 502005010168 D1 20101014; EA 016081 B1 20120228; EA 200701637 A1 20080228; EP 1698733 A1 20060906; EP 1698733 B1 20100901; MX 2007009315 A 20080221; US 2006179771 A1 20060817; US 7387471 B2 20080617

DOCDB simple family (application)  
**EP 2006000879 W 20060201**; AT 05002205 T 20050202; BR PI0606559 A 20060201; CA 2596647 A 20060201; CN 200680009749 A 20060201; DE 502005010168 T 20050202; EA 200701637 A 20060201; EP 05002205 A 20050202; MX 2007009315 A 20060201; US 34601306 A 20060202