

Title (en)  
Corrugated shearwall

Title (de)  
Gewellte Scherwand

Title (fr)  
Mur de contreventement ondulée

Publication  
**EP 1548209 A1 20050629 (EN)**

Application  
**EP 04257722 A 20041213**

Priority  
• US 73487003 A 20031212  
• US 801504 A 20041209

Abstract (en)  
A prefabricated shearwall (100) including a central diaphragm (102) having a height generally defined by top and bottom edges (101,103), and a width generally defined by a pair of end sections (104,106). The diaphragm (102) further includes at least one corrugation (108) extending in the height direction at least partially between the top and bottom edges (101,103). The corrugation (108) increases the ductility and ability of the shearwall (100) to withstand lateral forces such as those generated in earthquakes, high winds, floods and snow loads. The various components of the shearwall (100) may be affixed to each other by welding, bolting, screwing and/or gluing. <IMAGE>

IPC 1-7  
**E04H 9/02**

IPC 8 full level  
**E04B 2/56** (2006.01); **E04C 2/30** (2006.01); **E04H 9/02** (2006.01); **E04B 1/24** (2006.01)

CPC (source: EP US)  
**E04H 9/021** (2013.01 - EP US); **E04B 2001/2496** (2013.01 - EP US); **E04B 2001/2696** (2013.01 - EP US)

Citation (applicant)  
• GB 2315288 A 19980128 - DSC ENGINEERING [NO]  
• EP 1211361 A1 20020605 - SIMPSON STRONG TIE CO INC [US]  
• US 4037379 A 19770726 - OZANNE LEROY

Citation (search report)  
• [XA] GB 2315288 A 19980128 - DSC ENGINEERING [NO]  
• [YA] EP 1211361 A1 20020605 - SIMPSON STRONG TIE CO INC [US]  
• [YA] US 4037379 A 19770726 - OZANNE LEROY  
• [A] US 5345716 A 19940913 - CAPLAN MARK A [US]  
• [A] US 2003009964 A1 20030116 - TRARUP GLENN M [CA], et al

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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