

Title (en)  
Corrugated shearwall

Title (de)  
Gewellte Scherwand

Title (fr)  
Mur de contreventement ondulée

Publication  
**EP 1548209 B1 20120229 (EN)**

Application  
**EP 04257722 A 20041213**

Priority  
• US 73487003 A 20031212  
• US 801504 A 20041209

Abstract (en)  
[origin: EP1548209A1] 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 8 full level  
**E04B 2/56** (2006.01); **E04H 9/02** (2006.01); **E04C 2/30** (2006.01); **E04B 1/24** (2006.01)

CPC (source: EP US)  
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