

Title (en)  
Reinforced earth retaining wall

Title (de)  
Hangsicherung mit bewehrter Erde

Title (fr)  
Ouvrage de soutènement

Publication  
**EP 1340857 B1 20071219 (EN)**

Application  
**EP 03425121 A 20030226**

Priority  
IT RM20020117 A 20020301

Abstract (en)  
[origin: EP1340857A1] A retaining structure of mechanically stabilised earth obtained by means of the insertion of reinforcement elements (6, 8) extending perpendicularly to the external vertical surface of the retaining wall and equipped with a front facing composed of panels (1-3) preferably prefabricated in reinforced concrete, to which the reinforcement elements (6, 8) are secured by means of an anchorage system (5, 7). The said reinforcement elements (6, 8) are composed of substantially bidimensional layers and are, in particular, polymer geogrids or geotextiles for geotechnical applications, and at least some of the said layers (6, 8) extend as loops from one level of earth to the above one, by rising vertically on the back of the said front facing panels (1-3), or along the rear part of the said reinforced earth structure, opposite the front facing. <IMAGE>

IPC 8 full level  
**E02D 29/02** (2006.01)

CPC (source: EP)  
**E02D 29/0241** (2013.01)

Cited by  
SE1850028A1; CN114319424A; ES2319036A1; CN115897658A; WO2016142792A1; US10787786B2

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

DOCDB simple family (publication)  
**EP 1340857 A1 20030903; EP 1340857 B1 20071219**; AT E381642 T1 20080115; DE 60318137 D1 20080131; DE 60318137 T2 20081204; ES 2298491 T3 20080516; IT RM20020117 A0 20020301; IT RM20020117 A1 20030901

DOCDB simple family (application)  
**EP 03425121 A 20030226**; AT 03425121 T 20030226; DE 60318137 T 20030226; ES 03425121 T 20030226; IT RM20020117 A 20020301