

Title (en)  
REINFORCEMENT OF ARCH TYPE STRUCTURE WITH BEVELED/SKEWED ENDS

Title (de)  
VERSTÄRKUNG EINER BOGENFÖRMIGEN STRUKTUR MIT ABGESCHRÄGTEN/SCHIEFEN ENDEN

Title (fr)  
ARMATURE DE STRUCTURE DE TYPE ARCHE AVEC EXTREMITES BISEAUTEES/OBLIQUES

Publication  
**EP 1963582 A4 20121017 (EN)**

Application  
**EP 06840549 A 20061222**

Priority  
• CA 2006002123 W 20061222  
• CA 2531547 A 20051223

Abstract (en)  
[origin: CA2531547A1] A method for controlling deformation of a cut end region of an erected arch-type structure for use in underpass construction and the like where the cut end region has at least one extended leg portion. The method comprises building progressively at least one layer of mechanically-stabilized earth adjacent the extended leg portion by alternately layering a plurality of compacted layers of fill with interposed layers of reinforcement. Each layer of reinforcement is secured to the extended leg portion during the progressive building. The securing of the layers of reinforcement to the extended leg portions provide support in controlling deformation of the cut end region during backfilling and regular service.

IPC 8 full level  
**E01F 5/00** (2006.01); **E02D 29/045** (2006.01)

CPC (source: EP KR)  
**E01F 5/005** (2013.01 - EP KR); **E02D 29/045** (2013.01 - KR); **E02D 29/05** (2013.01 - EP); **E02D 2200/1607** (2013.01 - KR);  
**E02D 2300/0032** (2013.01 - KR)

Citation (search report)  
• [Y] US 6640505 B1 20031104 - HEIERLI WERNER [CH]  
• [YD] US 4618283 A 19861021 - HILFIKER WILLIAM K [US]  
• [AD] US 6050746 A 20000418 - MCCAVOUR THOMAS C [CA], et al  
• See references of WO 2007071067A1

Cited by  
CN106801384A

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

DOCDB simple family (publication)  
**CA 2531547 A1 20070623; CA 2531547 C 20140218**; AU 2006329214 A1 20070628; EP 1963582 A1 20080903; EP 1963582 A4 20121017;  
EP 1963582 B1 20140212; KR 101529319 B1 20150616; KR 20080114682 A 20081231; WO 2007071067 A1 20070628

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