

Title (en)
RETAINING WALL

Title (de)
STÜTZWAND

Title (fr)
MUR SUPPORT

Publication
EP 1937903 A1 20080702 (DE)

Application
EP 06792330 A 20060930

Priority
• EP 2006009504 W 20060930
• DE 102005050456 A 20051019

Abstract (en)
[origin: WO2007045340A1] The invention relates to a retaining wall, in particular a retaining wall (24) that is inclined against a soil backfill, consisting of individual purpose-made blocks (20, 21, 22, 23), the latter (20 .. 23) being arranged in layers (30) one on top of the other and the purpose-made blocks (20 .. 23) of neighbouring layers (30) interlocking in a positive fit in the vicinity of the upper (25) and lower faces (26) of said purpose-made blocks (20 .. 23). According to the invention, the upper (25) and lower faces (26) of the purpose-made blocks (20 .. 23) are configured and aligned in such a way that individual layers (30) can be displaced under a lateral pressure applied transversally to an imaginary longitudinal axis of the retaining wall (24) in a corresponding direction. To achieve the positive-fit connection transversally to the longitudinal axis of the retaining wall, the purpose-made blocks (20 .. 23) preferably comprise respective positive-fit elements in the vicinity of their upper (25) and lower faces (26), in particular projections and/or bevelled shoulders and/or oblique surfaces (31).

IPC 8 full level
E02D 29/02 (2006.01)

CPC (source: EP US)
E02D 17/20 (2013.01 - EP US); **E02D 29/025** (2013.01 - EP US)

Citation (search report)
See references of WO 2007045340A1

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)
DE 102005050456 A1 20070426; BR PI0617690 A2 20110802; CA 2626714 A1 20070426; EP 1937903 A1 20080702; US 2011135404 A1 20110609; US 8100608 B2 20120124; WO 2007045340 A1 20070426; ZA 200804050 B 20090325

DOCDB simple family (application)
DE 102005050456 A 20051019; BR PI0617690 A 20060930; CA 2626714 A 20060930; EP 06792330 A 20060930; EP 2006009504 W 20060930; US 9101006 A 20060930; ZA 200804050 A 20080512