

Title (en)

Block for constructing a retaining wall and a constructed retaining wall structure

Title (de)

Böschungsstein für eine Schützmauer und ein Schützbauwerk

Title (fr)

Élément de construction pour murs de soutènement et structure murale de soutènement

Publication

EP 0733741 A1 19960925 (EN)

Application

EP 95400635 A 19950322

Priority

EP 95400635 A 19950322

Abstract (en)

A block (A) for constructing retaining wall comprises a front wall (14) and a counterfort (16) protruded from the back side of the front wall (14), wherein the counterfort (16) is provided with a plurality of reinforcing steel bar inserting holes (22) each of which has upper and lower ends thereof open-ended, and each reinforcing steel bar inserting hole (22) which is disposed in a front wall (14) side from the neutral plane (N-N) is either a tapered hole (26) increasing the diameter thereof from the upper opening to the lower opening thereof, and each reinforcing steel bar inserting hole (22) disposed in the rear end side from the neutral plane (N-N) is an inverse tapered hole having a diameter increasing from the lower opening to the upper opening. The above-mentioned blocks (A) for constructing retaining wall are stacked on the upper surface of a footing foundation (12) made of steel bar reinforced concrete, and a plurality of anchoring steel bars which protrude from the footing foundation (12) and a plurality of connecting steel bars are inserted into the steel bar inserting holes (22) which are vertically aligned with each other, and the filler is filled in the steel bar inserting holes (22) to construct the retaining wall. Due to such a construction, the hardened filler is prevented from sliding relative to the steel bar inserting hole (22) and the rigidity of the junctions where the abutting surfaces of the blocks for constructing retaining wall merge is increased to provide a rigid body integrally formed with the footing foundation (12). <IMAGE>

IPC 1-7

E02D 29/02

IPC 8 full level

E02D 29/02 (2006.01)

CPC (source: EP)

E02D 29/02 (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 040 (M - 454) 18 February 1986 (1986-02-18)
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CN113152494A; KR100408348B1; JP2015096696A

Designated contracting state (EPC)

CH DE ES FR IT LI

DOCDB simple family (publication)

EP 0733741 A1 19960925; EP 0733741 B1 19991006; DE 69512634 D1 19991111; ES 2138159 T3 20000101

DOCDB simple family (application)

EP 95400635 A 19950322; DE 69512634 T 19950322; ES 95400635 T 19950322