

Title (en)
Block for constructing a retaining wall and a constructed retaining wall structure

Title (de)
Böschungstein 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
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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>

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IPC 8 full level
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CPC (source: EP)
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Citation (search report)
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