

Title (en)
A STRUCTURE AND METHOD FOR STABILISING SLOPING GROUND

Publication
EP 0273541 A3 19881207 (EN)

Application
EP 87302334 A 19870318

Priority
JP 19977786 U 19861230

Abstract (en)
[origin: EP0273541A2] A structure for stabilising a slope is disclosed, which uses precast concrete members. An independent structure is constructed by charging a cement-containing hardenable member into a space between precast concrete members provided on the slope. First, four pairs of precast concrete side plates (3) are arranged in the form of a cross such that the side plates of each pair are parallel and the height thereof reduces gradually from the centre of the cross toward the free end. A PC steel material (7) is stretched between opposed precast concrete end plates each provided between the free ends of the side plates of each pair, and is given prestress to make the entire structure integral. A cement-containing hardenable material is then charged into a space between the pair side plates, and the structure is secured to the slant natural ground with an anchor. A plurality of the structures as above are arranged on the sloping natural ground. Since the precast concrete members are used, the operation is facilitated. Since the structure is an integrated structure having the shape of a cross, structural calculations can be simplified.

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E02D 17/20

IPC 8 full level
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CPC (source: EP)
E02D 17/20 (2013.01)

Citation (search report)
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• [A] PATENT ABSTRACTS OF JAPAN, vol. 6, no. 58 (M-122)[936], 15th April 1982; & JP-A-57 000 255 (FURII KOGYO K.K.) 05-01-1982
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EP 0273541 A2 19880706; EP 0273541 A3 19881207; EP 0273541 B1 19910306; AT E61433 T1 19910315; DE 3768458 D1 19910411; ES 2021033 B3 19911016; JP H0414507 Y2 19920331; JP S63108444 U 19880713

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