

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  
**E02D 17/20** (2006.01)

CPC (source: EP)  
**E02D 17/20** (2013.01)

Citation (search report)  
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• [A] PATENT ABSTRACTS OF JAPAN, vol. 4, no. 136 (M-33)[618], 24th September 1980, page 127 M 33; & JP-A-55 092 426 (IORI KIKUCHI) 12-07-1980  
• [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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