



US005980162A

United States Patent [19]
McCown

[11] **Patent Number:** **5,980,162**
[45] **Date of Patent:** **Nov. 9, 1999**

[54] **SEISMIC SHOCK ABSORBING PIER**
[76] Inventor: **Power Lift Foundation Repair**

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[21] Appl. No.: **08/869,857**
[22] Filed: **Jun. 5, 1997**

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[51] **Int. Cl.**⁶ **E02D 5/74**
[52] **U.S. Cl.** **405/244; 52/167.9; 405/249;**
405/251
[58] **Field of Search** 405/231, 244,
405/249, 251; 52/167.4, 167.9, 169.9

[57] **ABSTRACT**

A seismic shock absorbing pier including a cylindrical column having an upper end and a lower end; a slide stop having a load bearing surface, the slide stop being fixedly attached to the cylindrical column so that its load bearing surface is upwardly oriented; a shock absorbing spring having an upper end and a lower end, the shock absorbing spring being mounted upon the pier so that its lower end is in contact with the load bearing surface of the slide stop; and a foundation supporting I-beam having an upper load bearing surface, a lower end, a forward end, and a rearward end, the rearward end of the foundation supporting I-beam being adapted for slidable mounting over the cylindrical column, the foundation supporting I-beam being slidably mounted over the cylindrical column so that its upper load bearing surface is upwardly oriented and so that its lower end is in contact with the upper end of the shock absorbing spring.

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14 Claims, 4 Drawing Sheets

