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[54] FOUNDATION LIFTING AND STABILIZING APPARATUS

4,708,528	11/1987	Rippe	405/230
4,925,345	5/1990	McCown et al.	405/230 X
5,013,190	5/1991	Green	405/230
5,018,905	5/1991	Kindes	405/230

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[58] Field of Search 405/229, 230, 231, 232, 405/251, 252.1; 52/126.1, 126.3; 254/29 R

[56] References Cited

U.S. PATENT DOCUMENTS

2,982,103	5/1961	Revesz et al.	
3,796,055	3/1974	Mahony	254/29 R X
3,852,970	12/1974	Cassidy	254/29 R X
4,070,867	1/1978	Cassidy	405/230
4,678,373	7/1987	Langenbach, Jr.	405/230
4,695,203	9/1987	Gregory	405/230

[57] ABSTRACT

The present invention provides a foundation shoring and stabilizing apparatus comprising a support bracket extending longitudinally under the structure to be supported, a yoke assembly disposed in a vertically spaced relationship above the support bracket, a lifting cradle engageable upon the bottom surface of the support bracket, a pair of generally upright members to which the lifting cradle and yoke assembly are removably attached, and a pile driving means attached to the yoke assembly and engageable upon a piling to be driven into the ground into a supporting relationship with the support bracket and the foundation.

18 Claims, 3 Drawing Sheets

