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(12) **United States Patent**
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(54) **ANODE ASSEMBLY WITH SAND BACKFILL FOR CATHODIC PROTECTION SYSTEMS AND METHOD OF INSTALLING THE SAME FOR ABOVE GROUND STORAGE TANK APPLICATIONS**

USPC 204/196.01, 196.33, 196.36, 196.37
See application file for complete search history.

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(57) **ABSTRACT**

An anode assembly and method for installing it in a cathodic protection system for an aboveground storage tank is disclosed. The anode assembly basically comprises an elongated electrically conductive anode, a fabric housing and sand backfill. The fabric housing is a hollow member in which the sand is located and through which the anode extends. The anode includes portions extending out of the housing for connection to the cathodic protection system. The anode assembly is arranged to be installed on a flat prepared surface below the bottom of the storage tank, whereupon the anode assembly's weight hold it flat on that surface without the need for staking or other means to hold the assembly flat. The ground with the anode assembly can then be backfilled to the level of the bottom of the storage tank.

4 Claims, 1 Drawing Sheet

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(52) **U.S. Cl.**

CPC **C23F 13/12** (2013.01); **C23F 13/06** (2013.01); **C23F 13/10** (2013.01); **C23F 2213/22** (2013.01); **Y10T 29/49117** (2015.01)

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