

Title (en)  
CATHODIC PROTECTION METHODS AND APPARATUS

Title (de)  
KATHODISCHE SCHUTZVERFAHREN UND VORRICHTUNG

Title (fr)  
PROCEDES ET APPAREIL DE PROTECTION CATHODIQUE

Publication  
**EP 1100981 A1 20010523 (EN)**

Application  
**EP 98907386 A 19980206**

Priority  
• US 9802308 W 19980206  
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Abstract (en)  
[origin: WO9918261A1] Apparatus, compositions and methods provide cathodic protection to a structure by placing an anode layer (10) directly between the structure (22) and its underlying foundation (30). Structures contemplated to be protected in this manner include especially very large structures such as above ground storage tanks. In one aspect of preferred embodiments, the anode layer (10) comprises sheets of at least 85 % aluminum with other alloying elements such as magnesium (0.05 to 6 %), zinc (0.1 to 8 %), indium (0.005 to 0.03 %) and tin (0.05 to 0.2 %) added for the purposes of optimizing current yield, polarization and ease of manufacturing the sheet. In another aspect of preferred embodiments, the anode layer (10) comprises at least two overlapping sheets.

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**WO 9918261 A1 19990415**; AU 6320298 A 19990427; AU 746899 B2 20020502; BR 9812714 A 20000822; CA 2305357 A1 19990415; CA 2305357 C 20040427; CN 1207443 C 20050622; CN 1309727 A 20010822; EP 1100981 A1 20010523; EP 1100981 A4 20020731; JP 2001519478 A 20011023; JP 3645180 B2 20050511; KR 100362258 B1 20021123; KR 20010030856 A 20010416

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