

1 CONTROLLING THE ENVIRONMENT AROUND A SUBMERGED PILE OR
2 OTHER STRUCTURES BY ENCAPSULATION, AND TREATING AND
3 REPAIRING THE ENCAPSULATED AREA

4 ABSTRACT OF THE DISCLOSURE

5 A process and apparatus for creating a controlled
6 environment about a portion of a submerged pile to be treated
7 comprising a jacket fitted about the pile and sealed at both
8 the top and bottom ends relative to the pile to provide a
9 sealed encapsulated space. The jacket includes at least two
10 sections having arcuate cross sections that are fastened
11 together to provide a substantially cylindrical jacket.
12 Compressed air is forced downward into the encapsulated space
13 through one or more upper valves and encapsulated water is
14 forced out through one or more lower valves. Further air flow
15 dries the encapsulated space. Desired coatings, for example,
16 rust inhibitor or epoxies, are introduced into the
17 encapsulated space through the lower valve and the displaced
18 air, excess coatings and chemical by-products are vented and
19 recovered for disposal through the upper valve. The
20 temperature inside the encapsulated space is also controlled.

(Figure 1)

This Sheet Has Been Replaced

