

Title (en)  
METHOD OF FORMING ANTICORROSION COATING

Title (de)  
VERFAHREN ZUR AUSBILDUNG EINER ANTIKORROSIONSBESCHICHTUNG

Title (fr)  
PROCEDE D'ELABORATION D'UN REVETEMENT ANTICORROSION

Publication  
**EP 1770188 A4 20080723 (EN)**

Application  
**EP 05736723 A 20050428**

Priority  
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• JP 2004140715 A 20040511

Abstract (en)  
[origin: EP1770188A1] Anticorrosive coating is formed cheaply and in a short period, which facilitates its general application to marine steel structures. A steel caisson 1 is used as a cathode, an undersea member 3 arranged in seawater and opposed to the steel caisson 1 is used as an anode. Direct current is passed between the electrodes so that anticorrosive coating 8 is formed on the steel caisson 1 through electrolytic reaction of the seawater, thereby attaining anticorrosion. The electric current is passed between the electrodes such that coating 7 with magnesium hydrate as dominant constituent is formed on the steel caisson 1 to have a predetermined thickness; then, supply of the electric current is stopped. Thus, anticorrosive coating 8 is formed through compositional substitution effect of substituting calcium carbonate for the magnesium hydrate in the presence of seawater.

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• [X] JP 2000342103 A 20001212 - ISHIKAWAJIMA HARIMA HEAVY IND  
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• See references of WO 2005108645A1

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